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ABSTRACT

This volume offers a full country study of the structure and content of the educational system of Slovenia, together with a formal set of placement recommendations for admissions officers placing Slovenian students in U.S. higher education institutions. The chapters are: (1) "Introduction"; (2) "Overview" (of the Slovenian system); (3) "Preschool and Primary Education"; (4) "Secondary Education" (vocational, commercial, academic, and special programs); (5) "Tertiary Education" (higher education system, admission requirements, credentials, graduate studies); (6) "Education in Special Fields" (agriculture, architecture, business, engineering, fine arts, hotel management, law, medicine, paramedical training, music, teacher training, adult education); and (7) "Advice to Admissions Officers" (Slovenian language, institutional catalogues, interpreting credentials, tests, principal credentials). Appendixes contain useful references, descriptions of two universities, a list of degrees awarded, and approved private secondary schools. Includes a glossary, an index, and a number of sample documents, charts and tables. (JB)

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American Association of Collegiate Registrars and Admissions Officers

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PIER World Education Series

Slovenia

A Study of the Educational System of the Republic of Slovenia

WORKING PAPER April 1995

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The opportunity to visit and learn about the educational system of a very new country was unique. In the changing European world of the 1990s, a number of small new states appeared. At the invitation of the Slovenian Ministry of Education and Sport, I was fortunate enough to have the opportunity to visit Slovenia in June of 1994 and learn how that country and its people were working to develop not only their own educational system, but their independent economy and their status as an independent republic. I am very grateful for this opportunity and appreciate the very warm welcome that I received during my visit.

Funding for this work was provided entirely by the Ministry of Education and Sport of Slovenia. I wish to acknowledge their contribution and foresight in realizing that a description of their educational system in English would be invaluable in assisting their desire to find a place in the world as an independent republic. The assistance of Profesor dr. Pavel Zgaga, State Secretary of the Ministry of Education and Sport, Viljana Lukas, Undersecretary and Head of Office of International Cooperation, and J.P. Schoffer-Petriček, Counsellor, Office of International Cooperation, was invaluable. The many other officials in the ministry offices, the Board of Education, and the Universities of Ljubljana and Maribor were most welcoming and anxious to provide all necessary information. Particular thanks are due Dr. Nada Šabec, Professor, Faculty of Education, University of Maribor, for her extensive reviewing of the manuscript.

On my visit, not only did I meet with many officials in government and in educational institutions, but I was afforded the opportunity on the weekend to see much of the country. Slavko Cvetek, former Head of the Center for Educational Development, University of Maribor, proved to be an outstanding guide, giving me a much greater insight not only into the country and its geography and history, but also its language. Jurij Jakab of Ptuj shared a Sunday morning in that historic town and told me the history of the region from early Roman times through the World War II years into the present day republic. The person to whom most thanks are due is Iztok Slatinek of the Computer Center, University of Maribor, a remarkable gentleman I had met earlier through meetings of the Trans Regional Academic Mobility and Credential Evaluation (TRACE) project, who was able to persuade the government of the importance of this project and who served as a devoted guide, assistant, translator, and good friend. Without Iztok's insight and continued assistance, this project would not have taken place.

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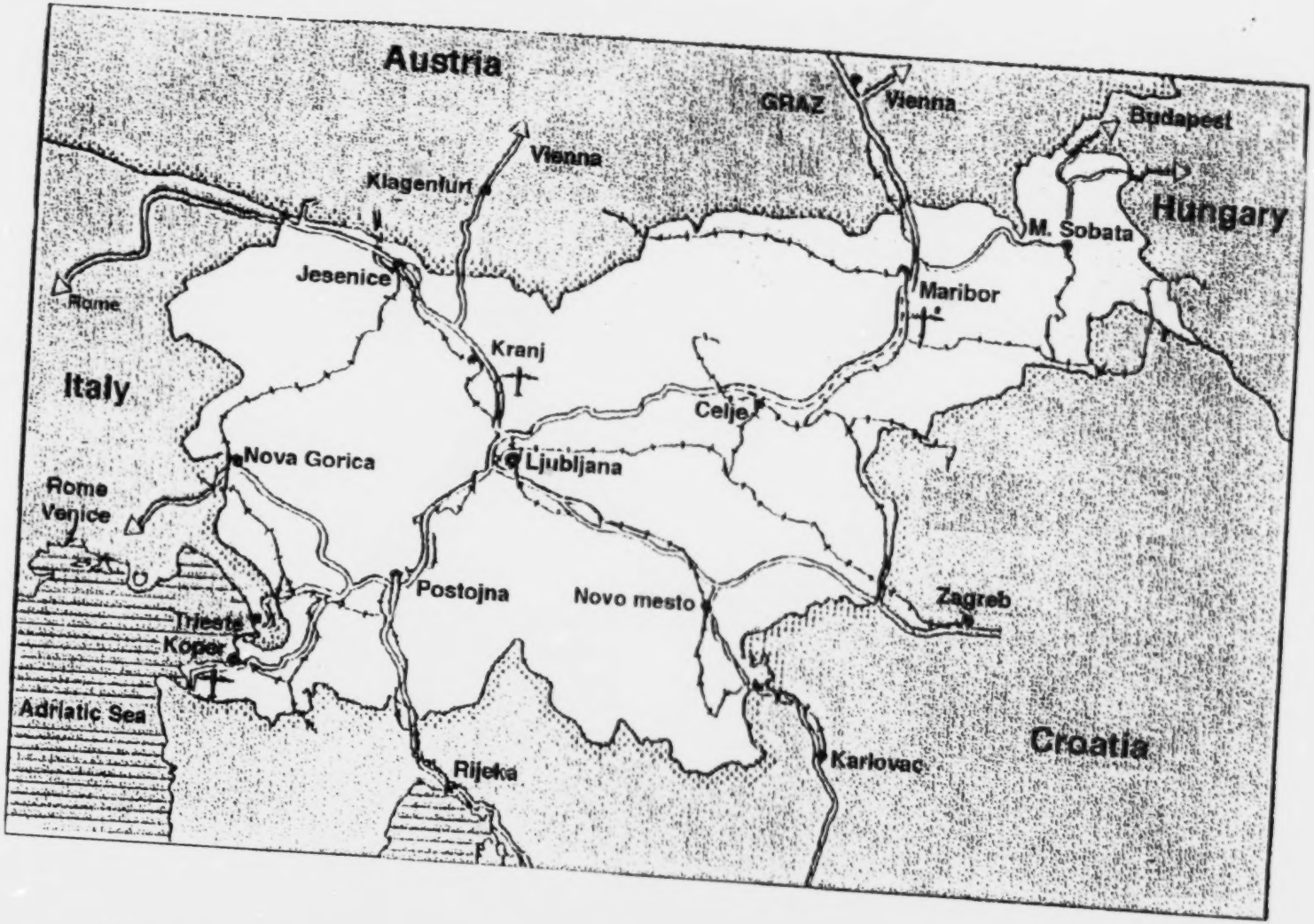
I enjoyed all aspects of this project and hope that the work will increase understanding of the new Republic and lead to further academic exchange. I wish the Republic of Slovenia all the best in developing its independence.

Karlene N. Dickey
April, 1995



MAP OF SLOVENIA

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Educational Chart of the Republic of Slovenia, 1994

Years of Study		
23	*Doktor znanosti* (Doctor of Science–Ph.D.) – 4 years (maximum of 6 years)	
22		
21		
20		
19	*Magister/Magistra* (Master) – 2 years	*Specialist medicine* (Specialist in Medicine) – 2 to 5 years
18	*Specialist...* (field) (Specialist...) – 1.5 to 2 years	*Doktor medicine, Doktor stomatologije* (Doctor of medicine, Doctor of dentistry) – 6 years
17	*Diplomirani..., (field), Profesor..., (field), Akademski... (field)* (Graduate..., Teacher..., Academy...) – 4-5 years	
16		
15	*Inženir..., Ekonomist, Organizator,* and other titles – 2-3 years	Paramedical credentials e.g., *Višja medicinska sestra* (Nurse), *Višji delovni terapevt* (Occupational therapist) – 3 years
14		
13		
12	*Spričevalo o zaključnem izpitu* (Certificate of final examinations) – at end of 2, 3, 4, or 5 years	*Maturiteno spričevalo* (Maturity Examinations Certificate) – after 4- or 5-year secondary programs
11		
10		
9		
8	*Spričevalo o končani osnovni šoli* (Certificate of completion of compulsory school) – 8 years	*Potrdilo o izpolnjenem obveznem šolanju* (Attestaton of completion of compulsory study period) – 8 years of attendance and age 15 with satisfactory completion of only 6 or 7 years of study

8-year compulsory school ages 7-15
Preschool

Chapter 1. Introduction

In 1991 the Parliament of the Republic of Slovenia adopted the declaration of independence from the Socialist Republic of Yugoslavia, based on a previously held referendum in which more than 93% of the voters were in favor of Slovenian independence. In June 1991, the Yugoslav People's Army attacked Slovenia and was successfully repulsed by the Slovene Territorial Defence. The Slovenian Constitution was adopted on December 23, 1991.

Today Slovenia, a peaceful, prosperous and democratic state situated in Central Europe, is a full member of the Council of Europe, the United Nations, UNESCO, and other worldwide organizations.

The Republic of Slovenia is one of the smallest countries in Europe, with an area of 20,256 square kilometers, just under 8,000 square miles. It is about half the size of Switzerland. It is bordered by Austria, Hungary, Italy and Croatia, and has only 26 miles of coastline and one seaport, the town of Koper on the Mediterranean Sea.

Population: There are 2 million inhabitants, of whom 87.8% are Slovene. The capital city is Ljubljana with a population of 300,000. The second largest city is Maribor with 100,000 inhabitants. No other city in the Republic has a population of over 50,000 people.

There are two very small indigenous ethnic groups: Italian, 0.16% located primarily in the coastal region, and Hungarian, 0.43%, located in the eastern section close to the Hungarian border, together making up less than 1% of the total population. These minority peoples are guaranteed the free use of their national symbols, representation in the National Assembly, and the right to education in their own language.

Religion: The population is predominantly Roman Catholic (71%).

Language: Slovenian, which belongs to the Slavic languages group, is the official language of the Republic, and is spoken by about 1.7 million inhabitants. In the minority areas the respective minority language (Hungarian or Italian) is also considered an official language. Education is offered in the children's native tongue to minority group children.

Government: The constitutional order is based on the principle of division of power among the executive, the legislature, and the judiciary. Under the 1991 Constitution, a President is elected for a term of five years and may serve no more than two terms. The President represents Slovenia and is commander-in-chief of the defense forces. There are currently 16 ministries with responsibilities for managing government affairs. The Prime Minister and the ministers form the highest executive body and answer to the National Assembly. There is a parliamentary system of which the National Assembly, composed of 90 delegates elected to a four-year term of office, is the highest body of legislative authority. The National Council, with 40 councilors, has been introduced to perform an advisory role. Judicial authority resides with judges who hold life appointments.

Military Service: All males must serve six months of military service at some point between ages 18 and 27. Service can be performed either at the end of secondary studies or postponed to the end of tertiary studies. Men remain in reserve status and are obligated to serve for one to two weeks every three to four years.

Currency: The Slovene *tolar* (SIT) is the legal currency, established in January 1992. Each *tolar* is made up of 100 *stotins*. In December 1994 the U.S. dollar equaled 128.00 *tolars*. The rate of inflation in 1994 was 18.3%.

Chapter 2. Overview of Education

Education is the responsibility of the Ministry of Education and Sport (Ministrstvo za Šolstvo in Šport). The constitution states that education is free; that primary school education is compulsory and financed through the central budget; and that the government is responsible for providing the necessary conditions for citizens to obtain adequate educational qualifications. The constitution further states that the higher educational institutions are autonomous.

Education, like many aspects of Slovenian life during the transition to an independent democratic republic, is undergoing change. Parliament is in the process of approving new legislative acts that define the roles of various bodies in regard to education. The Higher Education Act, adopted by the Parliament on December 7, 1993, is the first to be enacted. This act regulates the status of higher education institutions, states requirements for higher education activities, defines public service in higher education, and regulates its financing. A new act on primary and secondary education, vocational education, and adult education is to be presented to Parliament in 1995.

The 1993 Higher Education Act calls for the creation of a Master Plan for Higher Education to define the purposes of higher education; to set forth the fields of study, research, and artistic creation of national importance; to define the activities required for development and effective work in higher education; to establish standards for higher education activities; and to set the budget framework required to accomplish the Master Plan. This plan has been prepared by the government on the expert advice provided by the Council for Higher Education in cooperation with the Council for Science and Technology. See Chapter 5 for details of the Higher Education Act.

The Council for Higher Education was established by the Higher Education Act to advise the government on the preparation and implementation of changes in higher education legislation, to participate in planning for higher education, and to encourage and develop cooperation among higher education institutions. It also performs specific tasks, including determining criteria for assessing study programs with regard to international comparability, duration of studies, approval of higher education study programs, and transfer from one study program to another; for assessing teaching and research quality; and for introducing new programs.

Members of the Council, top experts in the fields of higher education, science and technology, industry, and social activities, are chosen to represent all scientific, art and professional fields. A president and 11 members are appointed by the government for a four-year term. Six of the 11 are university professors and scientists nominated by their institutions of higher education. University rectors and the President of the Slovene Academy of Sciences and Arts are ex-officio members of the Council.

The Ministry of Education and Sport, directly or through appointed professional bodies, is responsible for the preparation of all documents and expert materials (laws and programs) passed by governmental bodies or the Council for Higher Education. The Ministry is responsible for direct implementation of laws in the legislative, normative, organizational, and financial fields.

Assisting the Ministry of Education and Sport in its tasks is a Board of Education, composed of professional educators holding permanent appointments. The Board carries out the day-to-day oversight of the educational system and develops curricula, syllabi, and textbooks, and is responsible for the inservice training of school principals and teachers.

The Ministry of Education and Sport, through the Board of Education, develops a nationally prescribed core curriculum for all grades in primary and secondary schools and a list of approved textbooks, from which teachers may select textbooks. The curriculum defines the scope of individual subjects, their goals and their contents. The choice of methods is left to the schools and teachers. There are very few electives in the curriculum. A foreign language is required beginning in fifth grade. About 85% of the students choose English as a foreign language; the rest, German, French, or Italian.

The Ministry of Education and Sport and the Republic Examination Center, which is responsible for the new *Matura* examinations (see Chapter 4), also prepares annually a *Handbook on Compulsory Subjects* and the *Catalogue* of the curricular program for compulsory subjects. These are drawn up by subject committees of the Ministry, the secondary schools, and outside advisory boards.

Chapter 3. Preschool and Primary School Education

Preschool Education

Preschool programs are offered for children from age 1 to 7. The responsibility for preschool education rests primarily with the Ministry of Education and Sport. In 1993 there were 773 preschools, enrolling 67,178 children, who were taught by 9,162 teachers.

Programs offered include daycare programs in which approximately 50% of the children between ages 1 and 7 are enrolled; obligatory one-year primary school programs for children ages 5 and 6, which are offered as a preparatory course prior to regular school; and various courses (from 80 hours per year to daily courses of three to four hours per day) organized by kindergartens, nongovernmental institutions, or individuals. Fifty percent of the preschoolers attend fulltime. By 1997 it is planned that all will attend fulltime.

Preschool education is carried out in bilingual areas in the native tongue (Slovene, Hungarian, or Italian) of the children enrolled, but instruction in a second language is begun at this level.

Primary School Education

Primary school education is under the Ministry of Education and Sport. Eight years of primary education are compulsory. Children start the first grade between the ages of 6 and 7 and complete eighth grade at age 15. However, in 1997-98 a change to nine years of compulsory education will begin with a starting age of 6. This change will not be carried out in all schools until 2000. The extra year is added by making the current obligatory preparatory school year (kindergarten) part of the primary school system. The new primary school will consist of a first, second, and third level, each three years long. A tenth year for students who are not ready to or do not wish to enter secondary programs is under consideration.

Instruction throughout primary school is given in the students' native tongue. In the nationally mixed regions (Italian/Slovene and Hungarian/Slovene), both bilingual instruction and native tongue instruction are offered. In the Hungarian area bilingual instruction is provided. In the Italian area, native tongue instruction is offered.

The school year, the first of September to the 25th of June, consists of 190 days. There are 19 to 22 weekly lessons in grades 1 to 4 and 25 to 26 in grades 5 to 8, plus extracurricular lessons, and remedial and additional lessons. Each lesson is 45 minutes long. The average class has 23 pupils and the teacher-pupil ratio is 1 to 17. In 1993, there were 821 primary schools with an enrollment of 213,885 and a teaching staff of 15,067. Students remain enrolled for all eight years or until reaching age 15. Approximately 1-2% do not complete the compulsory eight-year curriculum. These students may continue in a specialized two-year vocational *Skrajšani* (abridged) program offered in the upper secondary school or seek employment. Special programs exist for handicapped children.

Curriculum, Grades 1 to 8: The Council on Education prescribes a national core curriculum for all grades (see Table 3.1). Teachers may select texts from a list of approved books. In the first four years of primary school, instruction in all subjects, except in some cases, art, music, and sports, is given by a classroom teacher. Beginning in grade 5, subjects are taught by subject teachers. Most teachers are qualified to teach in two subjects, e.g., mathematics and physics, or history and geography.

From grade 5 on, additional lessons are organized for gifted children or for children interested in a particular subject. Between 23% (grade 5) and 60% (grade 8) of the students select these lessons. In the last two years of primary school

(Years 7 and 8) in some schools instruction is offered at the basic and advanced level in mathematics and foreign language. The advanced level is intended for students who plan to continue secondary education in a gymnasium or hope to enter a school which has more applicants than places.

Examinations and Grading Scale for Primary School: Grading is on a 5 to 1 scale, with 5 the highest. Students who receive at the end of the school year the grade of 1 for any subject may retake a special teacher-set test (oral and/or written, depending on the subject) before the beginning of the next school year. If they fail three or more subjects, students are required to repeat the year in all subjects. All examinations are set and marked internally.

Some schools on a trial basis are changing the grading method in the first three years of primary school to record-keeping, rather than precise number marks; teachers write descriptive statements three times a year about the pupils' achievement and provide oral assessment in meetings with parents.

In the new nine-year school program assessment will be descriptive only in the first three years. In years 4, 5, and 6, assessment will be both descriptive and graded. In years 7, 8, and 9, grades will be given.

Students who have passing marks in the eighth grade are not required to take any further examinations and will receive the certificate of completion of compulsory studies. Students who wish to enter secondary programs are required to take an external national exam (most students take this exam) in mathematics, their mother tongue, and literature. Preparatory tests are taken in February. The questions are set by officers of the Board of Education. The points obtained in these external examinations are used for selection into secondary school programs, where there are more applicants than spaces. Students may retake the final examinations. The total number of points is 160 (50% or 80 points of the marks are from internal courses in grades 5-8 in mathematics, mother tongue, foreign language, and overall grade results; 50% from the external examination). An additional bonus of 10 points can be obtained by taking part in state competitions in Slovenian language and in mathematics (5 points for each competition).

On successful completion of eight years of compulsory school, students receive a certificate of completion of compulsory school, *Spričevalo o končani osnovni šoli* (see Document 3.1). The certificate will show marks for academic subjects, for other subjects, for behavior, and for the overall result, as given below. (Note that Slovenian has six declensions, so that the endings of words may change depending on their use in the sentence or the word being modified. The English translations given are the official translations.)

For academic subjects, including optional study of computer science (*računalništvo)* and foreign languages (*tuji jezik*), e.g., German or English:

odlično	**(5)**	**excellent**
prav dobro	**(4)**	**very good**
dobro	**(3)**	**good**
zadostno	**(2)**	**pass**
nezadostno	**(1)**	**insufficient**

For physical education (*telesna vzgoja*), music education (*glasbena vzgoja*), art education (*likovna vzgoja*), technical education (*tehnična vzgoja*), home economics (*gospodinjstvo*) and non-compulsory subjects, with the exception of optional study of computer science (*računalništvo*) and foreign languages (*tuji jezik*).

zelo uspešno	**very successful**
uspešno	**successful**
manj uspešno	**less successful**

For overall result (*Osmi razred je končal-a s splošnim uspehom*):

odličnim	excellent
prav dobrim	very good
dobrim	good
zadostnim	sufficient

Students will not get a certificate unless they get a passing grade. The grade of *nezadosten* (insufficient) will not appear.

For behavior (*vedenje*):

vzorno	exemplary
primerno	proper
manj primerno	less proper

Students who fulfill the attendance requirement for the period of compulsory school by reaching age 15, but who do not pass the coursework, about 1% to 2%, are issued an attestation of completion of compulsory study period, i.e., of having fulfilled the compulsory education attendance requirement (*Potrdilo o izpolnjenem obveznem šolanju*) (see Document 3.2).

Table 3.1. Primary School Course of Study by Year (38 Weeks/190 Days), 1993-94

Grade in School	1	2	3	4	5	6	7	8
	Lessons (45 minutes each) per week							
Subjects:								
Languages and Arts:								
Slovenian language	5	5	5	5	5	4	4	4
Foreign language					3	3	3	3
Arts	2	2	2	2	2	2	1	1
Music	1	1	2	2	1	1	1	1
Cultural programs	4 d	3d	3d	3d	3d	3d	4d	3d
Social Studies:								
Study of society				3	2			
Geography						2	2	1.5
History						2	2	2
Social and moral education							1	1
Natural Sciences-Mathematics:								
Nature and society study	3	3	3					
Nature study				2	2			
Biology						2	2	1.5
Chemistry							2	2
Physics							2	2
Mathematics	5	5	5	5	4	4	4	4
Nature study excursions	3d	4d	3d	4d	3d	4d	3d	4d
Production-Technical:								
Technical education					1	2	1	2
Home economics						1	S	S
Group action, home production, other socially useful activities	3d	3d	3d	3d	3d	3d	3d	3d
Physical Education and Health:								
Physical education	3	3	3	3	3	3	2	2
Health protection							S	S
Sports days	5d	5d	5d	5d	5d	5d	5d	5d
Compulsory Supervised Activities:								
Supplementary study (includes computer science)		0-2	0-2	0-2	0-2	0-2	0-2	0-2
Study-interest groups	1	1	1	1	1.5	1.5	1.5	1.5
Meetings	.5	.5	.5	.5	.5	.5	.5	.5

Grades 1-4: 20-24 hours per week; Grades 5-8: 30-33 hours per week
Notes: d=days, each day=4 hours, throughout the year
S=unspecified number of hours spread throughout the year

Chapter 4. Secondary Education

Overview

Secondary schools are under the jurisdiction of the Ministry of Education and Sport. There are 147 public secondary schools with 99,958 students and 6,680 teachers (1993 figures). There are six private secondary schools approved by the Ministry (see Appendix D).

There are a number of types of secondary school programs, ranging in length from two to five years, offered under legislation introduced in 1991-92. Two- and three-year programs are considered vocational training. Four-year programs, except for the *gimnazija* programs, are considered technical training. Each secondary school offers specific programs. None are comprehensive schools offering all programs. The name of the secondary school reflects the type of programs offered, e.g., *srednja strojna šola* (mechanical engineering school), *srednja ekonomska šola* (business school), *srednja zdravstvena šola* (health technicians school), *srednja kmetijsk šola* (agriculture school), and *gimnazija* (gymnasium, i.e., academic school). The system prepares students for up to 190 different vocations. Broad categories of secondary programs are graded by level of difficulty from I (least advanced) to V (most advanced). At level I there are only inservice/ interplant training programs, which are open to students who have not satisfactorily completed primary school. There is only one level III program (see *Zdravstvo* in Chart 4.1). Upon satisfactory completion of all programs, regardless of length, the credential awarded is the *Spričevalo o zaključnem izpitu* (Certificate of final examinations). This is the secondary school leaving certificate. It shows the program followed, the length of the program, grades received on the school final examinations and the average of those exams, and the vocational or technical title awarded, except for *gimnazija* graduates who do not receive a title. Chart 4.1 shows the structure of secondary education and Table 4.1 lists programs of study, length, vocational and technical titles awarded, and level of difficulty.

Ninety to 95% of those who satisfactorily complete eighth grade enter the secondary system. Examinations for secondary school entrance are held at the end of grade 8. Students apply to particular programs and particular schools. If there are more applicants than places available, the schools take into account the marks from grades 5 to 8 in mathematics, Slovenian, foreign language, and overall results to determine admissibility. About 80% of the students entering complete secondary studies. Of those who complete four-year programs, 90% continue to tertiary programs.

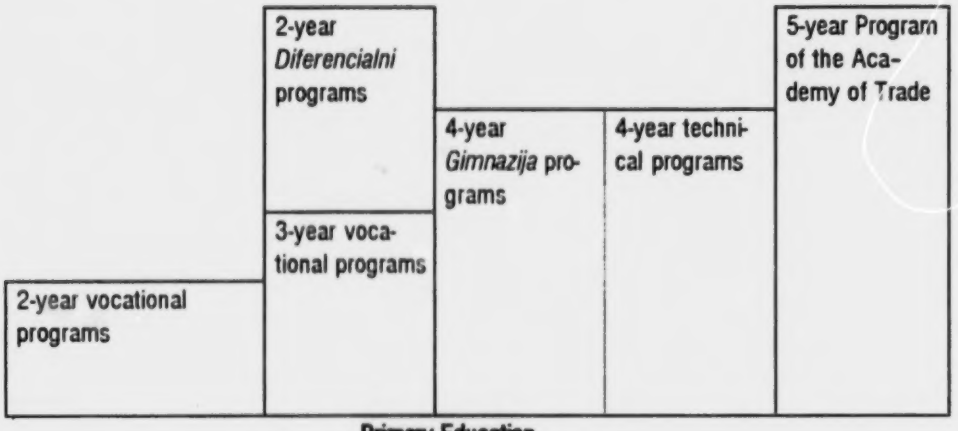
The curriculum and timetable guidelines for secondary education are laid down by an "Decree on the Determination of Norms and Standards in Secondary School Education," Executive Council of the Slovenian Parliament, 17 August 1992. The curricula are developed by the Board of Education. Each program has a prescribed list of subjects, which includes general studies, professional skills development, theoretical, and optional subjects. The number of hours per week devoted to each subject and the total number of hours in each year of study are also prescribed by the 1992 Parliamentary decree. In the vocational programs (two- and three-year programs), emphasis is on acquisition of practical skills and theoretical training, which will enable students to enter the workforce. Since 1993-94, students in some vocational programs work and study under a contract of education agreed upon by the student's parents, the workshop owner or authorized company employee, and the school.

The academic year is 38 weeks in the first year(s) and 36 in the final year. The average number of 45-minute class hours is 32 per week.

Chart 4.1. Structure of Primary and Secondary Education

Secondary Education

Until July 1, 1995 all programs lead to a *Spričevalo o zaključnem izpitu,* with vocational or technical title listed, except for *gimnazija* graduates. After that date, students in four- and five-year programs will have the option of taking the *Matura* examinations iand receiving the *Maturitetno spričevalo* instead.



Primary Education

	8 years of compulsory schooling satisfactorily completed: *Spričevalo o končani osnovni šoli* (Certificate of completion of compulsory school)
Age 15 and only 6 or 7 years of schooling satisfactorily completed; *Potrdilo o izpolnjenem obveznem šolanju* (Attestation of completion of compulsory study period)	

Secondary School Programs

All programs include a stated number of hours of what is referred to in Slovenia as optional-compulsory or selective subjects, as well as of required selective activities. The optional-compulsory subjects are developed by the schools independently. The required selective activities, which are undertaken in blocks of time (a week or more) when regular classes are not scheduled, are chosen by the student from a list provided by the Ministry. They may include cultural activities, e.g., a one-day visit to a place of cultural interest, such as Vienna or Venice, a special course, such as First Aid or Health Care, or subjects, such as a third foreign language.

Two-year Vocational Programs: Eighteen two-year vocational programs are considered at Level II difficulty (one program is at Level III) and train

for 42 different vocations. These programs require entrance examinations if there are more applicants than places and are followed by approximately 6-7% of students entering secondary programs. They are open to students who have satisfactorily completed grade 8 as well as those who have reached age 15 but have only completed satisfactorily at least sixth grade work. All two-year programs have a common core of general study subjects studied over the two-year period: Slovene language and literature (or Hungarian or Italian) (175 hours), art (35 hours), mathematics (105 hours), science (70 hours), social studies (105 hours), physical education (175 hours), and required extracurricular activites (128 hours). The balance of the program is divided equally between theoretical studies in the vocational area and practical training for a total of 1575 hours.

Two-year programs offer primarily the knowledge and skills in those subjects which are essential for a particular job qualification. Practical on-the-job work experience is stressed. On completion, the student is qualified for a specific, narrowly specialized job. (See Table 6.1 for the course of study of the two-year program leading to the *Spričevalo o končani izpitu* with the title of *Kmetijski devalec*/Agricultural worker.)

The final exam of the two-year programs tests Slovene language, a vocation-oriented theoretical subject, and the making of a product or the performance of a service while explaining the process to the examiner. The credential awarded is the *Spričevalo o zaključnem izpitu* (Certificate of final examinations). Graduates of the two-year programs can enter the workforce, return to education, after three to five years of experience, in special training programs for foremen and managerial staff, or enter the first year of three- or four-year programs if they can pass the entrance examinations, even if they entered the two-year program without having passed all eight grades of primary school.

Three-year Vocational Programs: Thirty-nine three-year vocational programs, considered at Level IV difficulty, train for 94 different vocations in industry or in trades and small businesses. These are followed by 35-36% of those entering secondary school programs.

Satisfactory completion of grade 8 and entrance examinations, if there are more applicants than places, are required for admission. For some programs, both health certificates and additional tests to assess special skills are required. All three-year programs have a common core of general studies subjects studied over the three-year period: Slovenian language and literature (or Hungarian or Italian) (350 hours), art (35 hours), mathematics (245 hours), social studies (140 hours), physical education (210 hours), and 234 hours of extracurricular activities, plus "a firm foundation in the vocation of choice." On the average, one-third of all the class hours are devoted to vocation-oriented theory, one-third to the acquisition of vocational skills, and one-third to general studies.

The first year of study offers general information and basic vocational skills. All practical training in the first year takes place on the school site. In the second and third years, studies are devoted to specialization in the vocational field and practical training is done in an outside workshop. In years two and three, students spend approximately half the year at school and half at the workshop.

The final exam is a required three-part exam, which includes Slovenian language and literature (or Hungarian or Italian), a test on the vocation-oriented theoretical subject, and the making of a product or performance of a service while providing an explanation of the process to the examiner. The credential awarded is the *Spričevalo o zaključnem izpitu* (Certificate of final examinations). Graduates can enter the workforce or, in some fields, continue study in the newly developed two-year *diferencialni* programs (see below). They can also, after three to five years of experience, con-

tinue education in special training programs for foremen and managerial staff. Table 4.2 shows the program of study of the three-year program leading to the *Spričevalo o zaključnem izpitu* with the title of *Poslovni tajnik* (Business Ssecretary).

Four-year Technical Programs: Forty four-year technical programs (e.g., paramedical studies, engineering), all considered at Level V difficulty, train for 53 different professions. They are chosen by 36-38% of students entering secondary school programs.

Four-year programs require entrance examinations if there are more applicants than places. Students must have successfully completed primary school with good marks in Slovenian language and literature (or Hungarian or Italian), a foreign language, mathematics, and natural sciences (physics, chemistry, and biology). The four-year programs place great emphasis on general studies subjects, which take up almost two-thirds of the class hours. Graduates of all four-year technical programs are qualified for university admission.

The first part of the four-year studies covers three subjects: Slovenian, mathematics, and first foreign language and is common to all four-year programs. The balance of study is devoted to training in the chosen field. Before starting the third year of study, students decide whether they wish to take the secondary school final exams leading to the *Spričevalo o zaključnem izpitu* to enter the workforce or the shorter tertiary professional programs or prepare for the *Matura* examinations (see section below on *Matura* examinations). If they choose the school exams, they will devote more time to technical skills; if they choose the *Matura*, more time will be devoted to *Matura* test subjects. The required *Matura* examinations for technical school programs are Slovene language and literature, mathematics, and foreign language (in all three subjects, the same exams as for *gimnazija* students), plus two elective subjects, chosen from natural sciences, social sciences, or a basic disciplinary subject, e.g., mechanical engineering, electrical engineering. Students who are planning to enter shorter professional studies take the school leaving examinations in Slovene language and literature and mathematics or a foreign language and two elective subjects: a basic disciplinary subject and project and its presentation or a paper and its defense. Table 4.3 shows the program of study for the four-year *Spričevalo o zaključnem izpitu* and options for *Matura* exam studies, leading to the title of *Strojni tehnik* (Machine technician) and Table 6.2 in Chapter 6 shows the program for the four-year *Spričevalo o zaključnem izpitu* and options for *Matura* exam studies leading to the title of *Kmetijski tehnik* (Agricultural technician). All 4-year technical programs lead to a title which will show the field and the word *Tehnik* (Technician).

Four-year *Gimnazija* Programs: The *gimnazija* programs, offered in 44 schools, and attended by 20-21% of the secondary school population, provide general academic education at Level V difficulty. This type of program was officially discontinued during the Yugoslav period of career-oriented education when all secondary programs were expected to lead to a vocation. They were reinstated in 1991. There are two official *gimnazija* programs: one offering the standard academic program and one specializing in classical humanities with concentration on Latin, either with or without specialization in Greek. (See Table 4.4 for study programs.) Individual schools offering the standard *gimnazija* moduies are noted for their particular specializations, e.g., sciences, economics, or humanities. Students apply to a given school according to their particular interests. Admission is based on the number of points obtained on the eighth grade final examinations in mathematics and Slovenian (or Hungarian or Italian) and the yearly marks obtained in grades 5-8. Admission is very competitive. In 1993-94, applicants to a *gimnazija*, noted for its excellence in certain fields, had to obtain at least 154 points out of a possible 160 to be admitted.

The curriculum for the standard *gimnazija* program (shown in Table 4.4) is composed of three structural elements: 1) general-compulsory subjects, which fill 80.5% (3,930 hours) of the total curriculum; 2) selective subjects (optional-compulsory) making up 13% (630 hours) of the curriculum, which are given in times not allocated by the national curriculum. Each school decides in what areas they wish to offer modules within these hours. Various general education subjects are offered, such as optional subjects or more hours in compulsory subjects from the field of natural science, or the humanities, or additional studies of a third foreign language; 3) required elective activities/courses/subjects occupy 320 hours.

Within the compulsory curriculum, subjects studied over four years are Slovenian language and literature, mathematics, first and second foreign language, history, and physical education; those studied for three years are geography, biology and ecology, chemistry, physics; and those studied for one year art, psychology, sociology, philosophy, and computer science and information sciences. The fourth year is devoted to selected studies in subjects appropriate to the student's future educational plans, including preparation for the required secondary school examinations. Most unallocated hourse are spent on *matura* or final examination subjects.

Required selective activities/courses/subjects are carried out in week blocks only, when students are not busy with other subjects. The contents of these, chosen from the Ministry's *Handbook on Compulsory Subjects* and *Catalogue*, comprise substances of general-education characteristics, cultural and sports activities, field trips, and other programs. The student is free to choose whatever is of personal interest. The school principal, however, has the right to decide whether the suggested program will be recognized or not. In the first three years of study, schools are required to offer each pupil a total of 96 hours per year of selective activities/course/subjects. In the fourth year, students must complete an additional 32 hours in selective activities. In consultation with staff, students must choose at least 16 hours from the following activities in their fourth year: cultural activities, understanding of the social system, health education including a course on first aid, domestic science and family training, education for peace and nonviolence, or practical/productive work of at least 32 hours.

The final secondary school examinations, leading to the *Spričevalo o zaključnem izpitu* (Certificate of final examinations), consist of written and oral examinations prepared and marked locally by teachers. Often a teacher from another school or classroom will serve as an "external" observer in an oral examination. After June 1, 1995, students who are planning to enter four-year or longer tertiary programs must select the *Matura* examinations instead of the school final examinations. (See section on *Matura* below.) The school leaving examinations will continue to be offered for the present. Graduates of *gimnazija* programs do not receive a title on their final certificate.

Gimnazija programs require a total of 630 hours of selective subjects (one hour per week in the first year, three hours in the second and third years, and eleven hours in the fourth year). Schools offer various general education subjects. Students can choose a natural science module (optional subjects or more hours in compulsory subjects), a humanities module (optional subjects or more hours in compulsory subjects) or a language module (an additional study of the third foreign language. The distribution must be clearly defined for each year of study and specific disciplinary area.

Five-year programs: (two types: one full five-year program and *Diferencialni* programs, which are "3 plus 2" programs, two years following three year programs for a total of five years):

Level V Commercial Studies Program: This five-year Level V program, modeled after an Austrian secondary commercial program, began in 1991-

92. Admission is based on the compulsory school leaving examination marks, plus marks in grades 5 to 8. The study program includes over the five years the same amount of study in Slovenian language and literature, mathematics, geography, and history as in the four-year *gimnazija* program. In addition, students follow substantial studies in foreign languages during the five-year period: first foreign language (455 hours), second foreign language and business language (350 hours), Italian language and business language (350 hours). Other studies during the five-year period include sociology and law (210 hours); economics (210 or 280 hours); limited science studies: biology and knowledge of merchandise (175 hours), chemistry (140 hours), physics (140 hours). In the business field, a total of 420 additional hours is spent on computer science studies, 490 hours in business economics, and 385 to 455 hours in accounting. The students must follow at least 245 hours of optional subjects and no more than 455 hours. Students in this program, as in the four-year technical programs, have the option, beginning in the third year of study, of preparing for the *Matura*. (See section below.) The school final examinations for this program include Slovenian language and literature at advanced level, foreign language, mathematics, accounting and business economics. Graduates of this program are considered educationally at the same level as graduates of the four-year *Tehnik* programs.

Diferencialni Programs: These programs consist of two years of advanced study following a three-year vocational program and are offered in certain fields. They are considered Level V programs. The pilot program, modeled after an Italian secondary commercial program, was in commercial studies, but additional two-year programs are being introduced in many fields. Their contents vary depending on the field. For example, the number of total hours of subject study for the business and finance program is as follows: general studies, including Slovenian language and literature (210), first foreign language (210), second foreign language (210), history (70), sociology (70), physical education (140), and optional-compulsory subjects (60) for a total of 970 hours. The balance of the studies is devoted to theoretical studies in business: business technique (350), business information science (280), law (70), economics (140), and business mathematics and statistics (140), plus optional subjects in the field (350), and practical training. In the horticulture and florist *Diferencialni* program, general studies (number of hours in parentheses) include Slovenian language and literature (210) first foreign language (280), mathematics (280), computer science and information science (140), chemistry (140), biology (140), physical education (140), and optional compulsory subjects (64) for a total of 1,394 hours. The balance of studies is devoted to theoretical studies in horticulturist and florist techniques and practical training for a total of 980 hours.

Graduates of the *Diferencialni* programs will have two *Spričevalo o zaključnem izpitu* (Certificate of final examinations), one for the three-year study and one for the two-year *Diferencialni* study. Both will give a title. The *Diferencialni* certificate will refer to the graduate as *Tehnik* in the specified field, the same title that the graduate of the four-year *Tehnik* programs receives. In Slovenia, these five-year programs, which were developed to provide advanced vocational training for graduates of three-year programs, are considered educationally equal to four-year programs. Students take the same subject examinations as students in the comparable four-year program. They take the secondary school leaving examinations on completion of studies. They are admissible to the same tertiary level programs as graduates of the four-year programs.

Special Programs

Bilingual Programs: Special curricula are developed to meet the requirements of the nationally mixed regions. In the Slovene-Italian region, two curricula are available: Slovene-Italian and Italian-

Slovene. In the Slovene-Hungarian region a Slovene-Hungarian curriculum has been produced for the bilingual school in Lendava.

Music and Dance Schools: Talented young people are trained at special primary- and secondary-level schools in music and dance at the same time as they complete the required basic academic curriculum, which includes the same studies as in the *gimnazija* program in Slovenian language and literature, mathematics, foreign language, philosophy and computer science and reduced studies in history, a second foreign language, geography, biology and physics. They take the exams for the *Spričevalo o zaključnem izpitu* on completion of studies. The title on the exam certificate will show the specialization of music or dance. See Table 4.5 for the secondary program in Music and in Dance.

International Baccalaureate: The program is offered in two *gimnazija,* one in Ljubljana and one in Maribor.

Secondary School Grading Scale and Certificate of Final Examinations (*Spričevalo o zaključnem izpitu)*

Grading in secondary schools in Slovenia is on a 5-1 point scale, with 5 the highest grade and 2 passing. Approximately 15.5% of the students get grades of 4 and 5. Students who receive the mark of 1 in a subject have up to two chances to re-sit the examination before the next school year. If they fail in three or more subjects, they must repeat the whole year in all subjects.

The following grading scales are used for various components of the studies:

For academic subjects, including optional study of computer science (*računalništvo)* and foreign languages (*tuji jezik*)

odlično	(5)	excellent
prav dobro	(4)	very good
dobro	(3)	good
zadostno	(2)	pass
nezadostno	(1)	insufficient

For physical education (*telesna vzgoja*), music education (*glasbena vzgoja*), art education (*likovna vzgoja*), technical education (*tehnična vzgoja*) home economics (*gospodinjstvo*) and non-compulsory subjects, with the exception of optional study of computer science (*računalništvo*) and foreign languages (*tuji jezik*), the marks below are given. Grades in these subjects are shown on the *Letno spričevalo* (Annual report), but not on the final leaving certificate, *Spričevalo o zaključnem izpitu.*

zelo uspešno	very successful
uspešno	successful
manj uspešno	less successful

For overall average of final examinations (*Zaključni izpit je opravil-a s/z*):

odličnim	excellent
prav dobrim	very good
dobrim	good
zadostnim	sufficient

The mark of *nezadosten* (insufficient) will never be seen as the certificate will not be granted unless the student obtains at least a grade of sufficient.

Slovenian secondary schools, since 1991, issue annual grade reports (*Letno spričevalo*; see Document 4.1). From 1984-1991 while Slovenia was still part of Yugoslavia, all students had a student book (*Indeks*). The *Indeks* is now called the *Izkaz o šolskem uspehu* (Index of study results) and is used only for adult students. It will have grades for all years of secondary school.

At the end of secondary studies, internal examinations set by the secondary school are given, which lead to a *Spričevalo o zaključnem izpitu* (Certificate of final examinations), i.e., secondary school leaving certificate (see Document 4.2). This certificate replaced the *Diploma which* was

used from 1984 to 1991. The certificate, issued nationally on white paper, with a pale green overlay of leaves and the shield of the Republic of Slovenia, shows the program followed (*vrsta in naziv vzgojno-izobraževalnega programa*), if appropriate, the vocational or technical title (*poklic)* awarded, the length of the program study (*letnik*) and the marks obtained. The examinations cover four subjects: language and literature (Slovenian, Hungarian or Italian), mathematics or a foreign language, and two additional subjects of the student's choice. In technical and vocational programs, the two additional exams cover the central technically or vocationally oriented subject and an extensive assignment, or the manufacture of a product or the performance of a service, while explaining the process to the examiner, or a test in a second technical/vocation-oriented subject.

Students who have obtained an overall average of "excellent" (average of final subject marks higher than 4.5) in the final year are exempt from the school final examinations. They also receive a *Spričevalo o zaključnem izpitu,* but it will not have a section for marks obtained on the final examinations. Instead the sentence *Kandidat-ka je oproščen-a opravljanja zaključnega izpita, ker je zaključni letnik končal-a s/z...* (grade average) *splošnim učnim uspehom in s tem izpolnil-a vse obveznosti po programu* (The candidate, he/she, is exempt from final examinations because he/she completed the last year of his/her secondary school program with a grade average of _____. Thus he/she has fulfilled all the prescribed obligations; see Document 4.3.)

Until June 1995 the *Spričevalo o zaključnem izpitu* from a 4- or 5-year program is required for admission to all tertiary programs. After that date, a new series of external examinations will be introduced, the *Matura* examinations. The school final examinations leading to the *Spričevalo o zaključnem izpitu* will still be offered and will remain the basis for admission to tertiary programs of less than four years.

***Matura* (Maturity) Examinations**

The *Matura* consists of a battery of nationally set examinations, referred to collectively as the *Matura* examination, and will become in June 1995 the required examination for admission to four- to six-year university programs. It will not at first be used for admission to the shorter tertiary programs. The *Matura* was developed to set standards for secondary school education and to "even out" the differences between "hard" schools and "easy" schools. The examinations cover the standard compulsory and required selective subjects now studied in the four-year technical programs and the *gimnazija* programs. A new Republic Examination Center, Republiški izpitni center/RIC, has been established by the Ministry to design and deliver the new *Matura*. A pilot *Matura* for 700 students was held in June 1994. The first official exam will be in June 1995. 10,000 students are expected to take this exam. The *Matura* will be given each year in June and August.

The *Matura* subject exams will be offered in many fields and will be available at standard or advanced levels in language and mathematics. The advanced level in language is to be taken by students who intend to major in language in university programs. The advanced level in mathematics is for students who plan to enroll in university courses which require a strong mathematics preparation. The advanced level in mathematics covers either more complicated topics, or topics which are omitted in the basic level. In the standard curricula, special courses are not offered for preparation for the advanced-level examinations. Students can take extra courses as part of their optional course selection either in their secondary school or at another school which may offer this extra preparation.

All students will be required to take the examinations in Slovenian language and literature (or Italian or Hungarian), a foreign language (English, German, French, Italian, Spanish, or Russian), and

mathematics, plus two additional examinations from the following choices: Latin, physics, chemistry, biology and ecology, history, art history, plastic art theory area, geography, psychology, philosophy, sociology, economics, law, mechanical engineering, geodesy (surveying), mechanics, nautical studies, electrical engineering, computer science, and woodworking. University programs which have restricted admission, *numerus clausus*, may specify required subjects in which students must present examinations, e.g., the Pharmacy Department of the University of Ljubljana may require mathematics, biology, chemistry, and physics. Booklets are publicly available outlining the requirements of each examination.

Students may sit six *Matura* subject exams and select the best five. Until 1997, students can take from one to three subjects at the advanced level. After 1997, they will be obliged to take at least one subject at the advanced level and may take one additional subject at advanced level, but not three.

The results for the *Matura* examinations will be issued to the student in a document, *Maturitetno spričevalo* (Maturity examinations certificate, see Document 4.4). The document will consist of two pages, the actual *Matura* certificate and an attachment recording marks on the individual subject examinations. Grades will be shown on both a 100-point scale and an equivalent 5-point scale. The documents will be issued by the Republiški izpitni center/RIC (Republic Examination Center). The certificate itself will be signed by the Director of the school the student attended and the Chairman of the Republic Maturity Commission. The stamp of the school will be affixed. The attachment with grades will be signed by the Director of the Examination Center.

The *Maturitetno spričevalo* is a separate qualification from the *Spričevalo o zaključnem izpitu.* Currently, the latter is awarded to all students who satisfactorily complete any length secondary program (the length is shown on the certificate). Beginning in June 1995, students completing four- or five-year secondary programs, will choose which examination they wish to take, depending on their future educational plans.

Table 4.1. Secondary School Programs Offered: Length of Programs, Vocational and Technical Titles Awarded, and Level of Difficulty

(See footnote*)

Administrativna Dejavnost (Secretarial training)

3-year: *Administrator* (Administrator), IV

2-year *Diferencialni* program: *Upravni tehnik*, (Administrator technician), V,d

Elektrotehnika (Electrical engineering)

2-year: *Monter električnih omrežij in instalacij* (Electrotechnical network and installation fitter), II

3-year: *Elektrikar: Elektrikar elektronik, Elektrikar energetik, Elektrikar telekomunikacij, Elektrikar motornih vozil*, (Electricitiy: Electrician-electronics, Electrician-energy, Electrician-telecommunications, Electrician-motor vehicle), IV

4-year: *Elektrotehnik: Elektrotehnik elektronik, Elektrotehnik energetik, Elektrotehnik telekomunikacij tehnik, Računalniški tehnik* (Electrical technics: Electronics technician, Energy technician, Telecommunications technician, Computer technician), V

2-year *Diferencialni* program: *Elektrotehnik: Elektrotehnik elektronik, Elektrotehnik energetik* (Electrical technics: Electrical technician-electronics, Electrical technician-energy) V, d

Farmacija (Pharmacy)

4-year: *Farmacevtski tehnik* (Pharmacy technician), V

Geodezija (Geodesy, surveying)

4-year: *Geodetski tehnik* (Survey technician), V

Gimnazija (Gymnasium; academic secondary school)

4-year: *Gimnazija* (Gymnasium), *Gimnazija-Klasično humanistična smer* (Gymnasium-classical humanities field); no vocational title awarded, V

Gostinstvo (Hotel trade; hotel management; catering industry)

3-year: *Gostinska dela: kuhar, natakar, kuhar-natakar* (Hotel industry worker: Cook, Waiter, Cook-waiter), IV

4-year: *Gostinski tehnik* (Food services technician), V

Gozdarstvo (Forestry)

3-year: *Gozdarstvo: Gozdar, Kmet-gozdar* (Forestry: Forester, Farmer-forester), IV

4-year: *Gozdarski tehnik* (Forest technician), V

*Footnote: On successful completion of any of the secondary programs, students are awarded a *Spričevalo o zaključnem izpitu* (Certificate of final examinations). This table lists the program areas, followed by the length of program, the program title, the vocational or technical title(s), which will be shown on the Certificate of final examinations and, the level of difficulty assigned by the Ministry of Education and Sport, II to V,d. V,d indicates level V reached through a *Diferencialni* program.

Gradbeništvo (Construction)

2-year: *Gradbinec I : tesar opažev, zidar za zidanje in ometavanje, krivilec armature, betoner, vodogradbeni delavec, komunalni delavec, polagalec asfalta, kamnoseški delavec, izdelovalec gradbenih elementov, polagalec keramičnih oblog* (Construction worker I: panelling carpenter, bricklayer for buildings and plastering, steel bender, concrete worker, water construction worker, community worker, asphalt layer, stone cutting worker, producer of elementary construction, layer of ceramic framing); *Pleskar antikorozist* (Anticorrosion painter); *Upravljalec gradbene mehanizacije* (Management construction mechanic), II

3-year: *Gradbinec II: zidar, tesar, železokrivec, cementninar, gradbinec za progovna dela, komunalec, vodogradbenik, monter gradbenih konstrukcij* (Construction worker II: brick layer, carpenter, iron worker, cement worker, railroad construction worker, community worker, water construction worker, fitter of building construction); *Zaključna gradbena dela: Kamnosek, pečar, izolater, polagalec podov, slikopleskar-črkoslikar* (finishing construction work: stone-cutter, stove fitter, insulator, floor layer, house painter and sign painter); *Dimnikar* (Chimney worker); *Strojnik gradbene mehanizacije* (Machinist engineman), IV

4-year: *Gradbeni tehnik* (Construction technician), V

2-year *Diferencialni* program: *Gradbeni tehnik* (Construction technician), V,d

Gumarstvo (Rubber industry)

4-year: *Gumarski tehnik* (Rubber technician), V

Kemija (Chemistry)

3-year: *Kemijska dejavnost: kemik, keramik* (Chemical worker: chemistry, ceramics), IV

4-year: *Kemijski tehnik* (Chemical technician), V

Kmetijstvo (Agriculture)

2-year: *Kmetijski delavec* (Agricultural worker), *Kmečka gospodinja* (Farm housewife), II

3-year: *Kmetovalka-gospodinja* (Female farm worker), *Kmetovalec: poljedelec živinorejec* or *sadjar-vinogradnik* (Agricultural worker: stock breeder or fruit and wine grower), *Kmetijski mehanik* (Agricultural mechanic), IV

4-year: *Kmetijski tehnik* (Agricultural technician), *Tehnik kmetijske mehanizacije* (Agricultural mechanization technician), V

2-year *Diferencialni* program: *Kmetijski tehnik* (Agricultural technician), V,d

Kultura (Culture-music, design, dance, photography, etc.)

4-year: *Glasba* (Music: training in general music and all instruments); *Plesalec* (Dancer); *Oblikovanje: grafični oblikovalec, industrijski oblikovalec, modni oblikovalec* (Design: graphic designer, industrial designer, fashion designer); *Fotograf* (Photographer), V

Lesarstvo (Wood industry)

2-year: *Obdelovalec lesa* (Woodworker), II

3-year: *Mizar in tapetnik* (Joiner and Upholsterer), IV

4-year: *Lesarski tehnik* (Woodworking technician), V

2-year *Diferencialni* program: *Lesarski tehnik* (Woodworking technician), V, d

Metalurgija (Metallurgy)

2-year: *Pridobivanje, predelava in obdelava kovin-Obdelovalec kovin* (Industry, metal work: industrial worker in metal production and metal working), II
3-year: *Predelovalec kovin: livar, metalurški modelar, preoblikovalec kovin* (Metal working: foundry worker, smelter, industrial modeling worker), IV
4-year: *Metalurški tehnik* (Metallurgy technician), V

Papirništvo (Paper industry)

3-year: *Papirničar* (Paper making worker), IV
4-year: *Papirniški tehnik* (Paper making technician), V

Policijska Šola (Police school)

4-year: *Policist* (Policeman), V

Poslovno-finančna dejavnost (Business and Finance)

3-year: *Podjetniško poslovanje: poslovni tajnik* (Business management: business secretary), IV
2-year *Diferencialni* program: *Podjetniško poslovanje: poslovni tehnik* (Enterprise business: business technician), V, d
4-year: *Ekonomsko komercialni tehnik: ekonomski tehnik, upravni tehnik* (Commercial economic technics: economic technician, administration technician), V
5-year: *Trgovski tehnik* (Trade technician), V (graduate of *Trgovska akademija*)
2-year *Diferencialni* program: *Ekonomsko-komercialni tehnik: ekonomski tehnik* (Economic-commercial technics: Economic (business) technician), V, d

Predšolska vzgoja (Preschool teacher education)

4-year: *Predšolska vzgoja* (Preschool teacher education), V

Promet in zveze (Transportation and communication)

3-year: *Telefonist* (Telephone operator), IV
4-year: *Prometni tehnik* (Transportation and communication technician); *PTT tehnik* (PTT/Post, telephone and telegraph technician), *Plovbni in ladijski tehnik: plovbni tehnik, ladijski tehnik* (Navigation and shipping technics: navigation technician, shipping technician), V

Rudarstvo (Mining and mineral engineering)

3-year: *Rudar* (Miner), IV
4-year: *Rudarski tehnik* (Mining technician), V

Steklarstvo (Glass industry)

2-year: *Pomožni steklar: steklopihač-krogličar, pomožni brusilec kristalnega stekla, pomožni steklosliker* (Assistant glassworker: glass blower-small beads, assistant polisher of crystal and glass, assistant glass painter), II
3-year: *Steklar : steklopihač, steklopihač nad odprtim plamenom, brusilec kristalnega stekla, steklosliker, optik, stavbni skeklar (*Glassworker: glass blower, glass blower over open flame, crystal and glass polisher, glass painter, optician, building glass worker), IV
4-year: *Steklarski tehnik* (Glasswork technician), V

Storitvena dejavnost (Service trades)

2-year: *Gospodinjska dela* (House worker), II
3-year: *Gospodinjske storitve* (House work services), *Frizer* (Hairdresser), IV
4-year: *Kozmetični tehnik* (Cosmetician), V

Strojništvo (Mechanical engineering)

3-year: *Oblikovalec kovin: strugar, frezalec, brusilec, orodjar* (Modeller metal worker: turner, milling machine operator, grinder, tooler); *Preoblikovalec in spajalec kovin: konstrukcijski ključavničar, varilec, klepar, avtoklepar* (Premodeller joining metal worker: construction locksmith, welder, sheet metal worker, tin-smith, auto tin-smith). *Monter in upravljalec energetskih naprav: monter hladilnih naprav, monter vodovodnih naprav, monter ogrevalnih naprav, monter klimatskih naprav, monter plinskih naprav* (Fitter and electrician: fitter of cooling appliances, fitter of water appliances, fitter of heating appliances, fitter of air conditioning appliances, fitter of gas appliances); *Finomehanik in urar: finomehanik, urar* (Fine mechanic, watch maker), *Mehanik vozil in voznih sredstev: avtomehanik* (Vehicle and carriage work: automechanic), *Strojni mehanik* (Machine mechanic), *Zlatar filigranist* (Goldsmith, filigree maker), IV
4-year: *Strojni tehnik* (Machine technician), V
2-year *Diferencialni* program: *Strojni tehnik* (Machine technician), V, d

Tekstilstvo (Textile industry)

2-year: *Pomožni tekstilec: pomožni predilec, pomožni tkalec, pomožni pletilec, pomožna šivilja* (Assistant textile worker: assistant spinner, assistant knitter, assistant weaver, assistant seamstress), II
3-year: *Tekstilec: predilec, tkalec, plemenitilec* (Textile worker: spinner, knitter, detail worker); *Tekstilec: pletilec, šivilja-krojač* (Textile worker: weaver, seamstress-tailor); *Čipkarstvo: čipkar(ica)* (Lace making: Lace maker), IV
4-year: *Tekstilni tehnik: predilski tehnik, tkalski tehnik, pletilski tehnik, plemenitilski tehnik, konfekcijski tehnik* (Textile technician: spinning technician, knitting technician, weaving technician, detail worker technician, ready-made clothing technician), V
2-year *Diferencialni* program: *Konfekcijski tehnik* (Ready-made clothing technician), V, d

Tiskarstvo (Printing industry)

3-year: *Grafičar: fotostavec, ročni stavec, strojni stavec, montažer, reprodukcijski fotograf, retušer, tiskar za tisk s ploskve, tiskar za tisk z izbokline, sitotiskar, knjigovez* (Graphics worker: photo typesetter, hand typesetter, machine typesetter, mounter, reproduction photographer, retoucher, printer for stamps and plates, printer for stamps and convex surfaces, screen printing operator, bookbinder), IV
4-year: *Grafični tehnik* (Graphic technician), V

Trgovinska Dejavnost (Trade, commerce administration)

3-year: *Trgovec: prodajalec* (Trade: Salesman), IV
4-year: *Aranžerski tehnik: aranžerski tehnik (ekonomski propagandist)* (Window dressing technics: window dresser technician, economic propagandist), V

Turizem (Tourism)

4-year: *Turistična dela: turistični tehnik* (Tourist industry: Tourism technician), V

Upravna Dejavnost (Public administration, clerical plus documentation, archiving)

4-year: *Upravni tehnik* (Public administration technician), V

Usnjarstvo (Leather industry)

2-year: *Pomožni izdelovalec in predelovalec usnja: pomožni usnjar-krznar, pomožni galanterist, pomožni usnjarsko-krznarski konfekcionar, pomožni krojilec obutve, pomožni šivalec obutve in pomožni sestavljalec obutve* (Assistant leather manufacturer and alteration worker: assistant I leather-fur worker, assistant fancy goods worker, assistant in leather-fur ready-made clothes, assistant shoe leather cutter, assistant shoe sewer and assistant assembler bootmaker), II

3-year: *Izdelovalec in predelovalec usnja: usnjar-krznar, usnjarski galanterist, usnjarsko-krznarski konfekcionar, izdelovalec zgornjih delov obutve, izdelovalec spodnijih delov obutve in sestavljalec obutve, čevljar* (Leather manufacturer and alteration worker: leather-fur worker, leather fancy goods worker, maker of leather-fur ready made clothes, maker of upper part of boots, maker of lower parts of boots, shoemaker), IV

4-year: *Usnjarsko predelovalni tehnik: obutveni tehnik, usnjarski galanterijski tehnik, usnjarski krznarski tehnik, usnjarski krznarski konfekcijski tehnik* (Leather worker alteration technician: boots technician, small leather fancy goods technician, leather-fur technician, leather-fur ready-made clothes technician), V

2-year *Diferencialni* program: *Usnjarsko predelovalni tehnik; usnjarsko-galanterijski tehnik, usnjarsko-krznarski konfekcijski tehnik* (Leather worker alteration technician: small leather fancy goods technician, leather-fur ready-made clothes technician), V, d

Veterinarstvo (Veterinary skills)

4-year: *Veterinarski tehnik* (Veterinary technician), V

Vrtnarstvo in cvetličarstvo (Horticulture and florist)

3-year: *Vrtnar in cvetličar: vrtnar, cvetličar* (Horticulture and Florist Worker: horticulturist, florist), IV

4-year: *Vrtnarski tehnik* (Horticultural technician), V

2-year: *Diferencialni* program: *Vrtnarski tehnik* (Horticulture technician), V,d

Zdravstvo (Health sciences)

2-year: *Bolničar* (Nursing assistant), III

4-year: *Zdravstveni tehnik* (Health science technician); *Laboratorijski tehnik* (Laboratory technician); *Zobotehnik* (Dental technician), V

Živilstvo (Food processing)

2-year: *Živilski delavec: živilski delavec v slaščičarstvu živilski delavec v pekarstvu, živilski delavec v mesarstvu* (Food worker: confectionery worker, bakery worker, butcher shop worker), II

3-year: *Živilec: mesar, mlekar, mlinar, pek, testeninar, slaščičar-konditor, oljar, pivovar, predelovalec sadja in zelenjave* (Food worker: butcher, dairyman, miller, baker, pasta maker, confectioner-baker, oil miller, brewer, secondary fruit and vegetable grower), IV

4-year: *Živilski tehnik* (Food technician), V

2-year *Diferencialni* program: *Živilski tehnik* (Food technician), V, d

Table 4.2. Three-Year Secondary *Poslovni tajnik* (Business secretary) Program

Subjects / Year	1	2	3	
General Studies Compulsory Subjects	**Total Hours per Week**			**Total Hours for Program**
Slovenian language and literature	4	3	3	350
Mathematics and business mathematics	3	3	3	315
Foreign language I	3	3	3	315
Foreign language II	3	3	3	315
History	-	2	2	140
Physical education	2	2	2	210
Art	2	-	-	70
Geography	2	2	-	140
Psychology	-	-	2	70
Required optional activities/courses/subjects	See footnote°			160
Total Hours per Week for General Studies	**19**	**18**	**18**	**2085**
Technical Studies				
a-Technical theoretical subjects				
Business techniques	4	4	4	420
Business information science	3	4	2	315
Science in merchandise knowledge	3	3	3	315
Accounting	3	3	-	210
Law	-	-	2	70
b-Selective subjects	-	-	3	105
c-Practical training				
Practical qualification°°	See footnote°°			80
Total Hours per Week for Technical Studies	**13**	**14**	**14**	**1515**
Total hours (per week)	**32**	**32**	**32**	**3600**

°Required optional activities/courses/subjects are required for 96 hours (3 weeks per year) in the first year and 32 hours (I week per year) in years 2 and 3. The activities are agreed on by contract and carried out in unscheduled class time. Hours are included in the total hours for program.

°°Hours in practical qualification are divided over the year.

Table 4.3. Four-Year Secondary *Strojni tehnik* (Machine technician) Program

Subjects Year:	1	2	3	4	
	Hours per Week				Total Hours for Program
			M/FE*	M/FE*	
General Studies Compulsory Subjects					
Slovenian language and literature	4	4	4/3	4/3	560/490
Mathematics	4	4	4/3	4/3	560/490
Foreign language I	3	3	3/3	3/3	420/420
Computer science and information science	-	2	-	-	70
History	2	2			140
Physical education	2	2	2	2	280
Art	2	-	-	-	70
Geography	2	-	-	-	70
Economics	-	-	2	-	70
Chemistry and materials	2	2	-	-	140
Physics	2	2	2/0	2/0	280/140
Required selective activities/courses/subjects	see footnote°				320
Total Hours per Week for Compulsory Subjects	**23**	**21**	**17/13**	**15/11**	**2980/2700**
Technical Studies					
a-Technical theoretical subjects					
Technical drawing and machine parts	4	3	2/3	3/4	420/490
Energetics**	-	2	2/3	3/3	245/280
Mechanics	2	3	3/4	2/2	350/385
Regulation and control	-	-	2	2	140
Technology	-	-	3/4	4/6	245/350
b-Selective subjects	-	-	-	-	
c-Practical training					
Practical instruction	3	3	-	-	210
Laboratory work	-	-	3	3/4	210/245
Total Hours per Week for Technical Studies	**9**	**11**	**15/19**	**17/21**	**1820/2100**
Total Hours per Week	**32**	**32**	**32**	**32**	**4800**

°Required selective activities/courses/subjects are required for 96 hours (3 weeks per year) in the first three years and 32 hours (one week) in year 4. The activities are agreed on by contract and carried out in unscheduled class time. Hours are included in the total hours for program.

*M/FE – M: number of hours per subject for students planning to take *Matura* examinations
FE: number of hours per subject for students planning to take Secondary School Final Examinations

**Energetics integrates three subjects: electro-technology (2nd year), thermodynamics (3rd year), and mechanical science (4th year).

Table 4.4. Four-Year Secondary Course of Study for *Gimnazija* (Gymnasium) Studies

	Number of hours per week				Total Hours for Program
Subjects Year:	1	2	3	4	
Compulsory Subjects					
Slovenian language and literature	4	4	4	4	560
Mathematics	4	4	4	4	560
First foreign language	3	3	3	3	420
Second foreign language	3	3	3	3	420
History	2	2	2	2	280
Physical education	3	3	3	3	420
Art	2	-	-	-	70
Geography	2	2	2	-	210
Biology and ecology	2	2	2	-	210
Chemistry	2	2	2	-	210
Physics	2	2	2	-	210
Psychology	-	2	-	-	70
Sociology	-	-	2	-	70
Philosophy	-	-	-	2	70
Computer science and information science	2	-	-	-	70
Selective subjects (unallocated hours)	1	3	3	11	630
Required selective activities/courses/subjects°	See footnote°				320
Total Hours per Week	**32**	**32**	**32**	**32**	**4800**

°Required selective activities/courses/subjects are required for 96 hours (3 weeks per year) in the first three years and 32 hours (I week) in year 4. The activities are under a contract and are carried out during unscheduled class hours. Hours are included in the total hours for the program.

Gimnazija which offer classical humanities modules follow the same program except that Latin is studied for 3 hours a week in each of the four years, for a total of 420 hours and selective subjects are reduced to only 6 hours in the fourth year, for a total of 210 hours.

Table 4.5. Four-Year Secondary *Glasbenik* (Musician) and *Plesalec* (Dancer) Program

Subjects	Year 1		Year 2		Year 3		Year 4		
General Studies, Compulsory Subjects:	**Total Hours per Week**								**Total Hours for Program**
Slovenian language and literature	4		4		4		4		560
Foreign language I	3		3		3		3		420
Foreign language II	2		3		3		3		385
Mathematics	4		4		4/0		4/0		560/280
Computer science and information science	-		2		-		-		70
Physical education	2		2		2		2		280
Biology and ecology	2		-		-		-		70
Physics	2		-		-		-		70
Psychology	-		-		2		-		70
Philosophy	-		-		-		2		70
History	2		2		-		-		140
Geography	2		-		-		-		70
Required selective activities/ courses/subjects	See footnote								320
Total Hours per Week for Compulsory Subjects	**23**		**20**		**18/14**		**18/14**		**3085/2805**
Professional training:°°	A	B	A	B	A	B	A	B	A B
Voice-instrument	-	3	-	3	-	3	-	3	- 420
Musical composition	4	-	4	2	4	2	4	2	560 210
Solfege	3	3	2	2	2	2	2	2	315 315
Piano	2	1	2	1	2	1	2	1	280 140
Music history	-	-	2	2	2	2	2	2	210 210
Chamber performance	-	-	-	-	-	2	-	1	- 105
Orchestra assembly	-	-	2	-	2	2	2	2	210 210
Music morphology	-	-	-	-	-	-	2	1	70 35
Parts reading	-	-	-	-	2	-	-	-	70 -
Selective music subjects	-	-	-	-	0/4	0/4	0/4	0/4	0/280 0/280
Total Hours per Week for Professional Subjects	**9**	**7**	**12**	**12**	**14/ 18**	**14/ 18**	**14/ 18**	**14/ 18**	**1680/ 1960** **1610/ 1890**
Total Hours Study per Week	**32**	**30**	**32**	**32**	**32**	**32**	**32**	**32**	**4765 4695**

°Required selective activities/courses/subjects are required for 96 hours (3 weeks per year) in the first three years and 32 hours (I week) in year 4. The activities are under a contract and carried out during unscheduled class hours. Hours are included in the total hours for program.

Music (*Glasba*) program: °°Two lines: A-general musical; B-instrumental (voice, piano, organ, harp, accordion, violin, viola, viola cello, contrabass, guitar, flute, oboe, clarinet bassoon, saxophone, horn, trombone, trumpet, tuba, timpani).

Dance (*Ples*) program: Academic subjects are the same as for Music, except no physical education is required and psychology, sociology and philosophy are combined for a total of 140 hours. The professional training (hours in parentheses) includes classical ballet (1400), classical national dances in repertory (280), character dancing (210), stylistic dancing (70),contemporary dance technique (210), instrumental instruction (70), music and dance history (70), and optional dance subjects (0/70).

Chapter 5. Tertiary Education

Description and Organization of Higher Education System

Higher education in Slovenia is in the midst of a change as decreed by the Higher Education Act of December 1993. The greatest change is in the area of the shorter undergraduate vocational/professional programs. Until December 31, 1994, all higher education organizations, *fakulteta, akademija, visoka šola* and *višja šola* (faculties, academies, four- to five-year higher schools and two- to three-year high schools), were affiliated with one of the two universities: University of Ljubljana and University of Maribor (see Appendix B for full descriptions of these institutions). However, organizational and management structure was very decentralized and the individual units, which were members of the universities, made their own decisions on almost all important issues. Under the 1993 Higher Education Act, the *višja šola* institutions offering vocational/professional two-year programs were officially abolished and professional higher education institutions were introduced. These new institutions can remain attached to one of the universities or decide to remain free-standing. Academies and faculties will remain attached to the universities. Chart 5.1 outlines the former structure of higher education units in Slovenia. Appendix B outlines the new structure.

Until December 31, 1994, institutions which offered only two- to three-year programs were known as *višja šola* (literally, high school), often translated in Slovenia as junior college. Institutions offering four- to six-year programs were known as *visoka šola* (literally, higher school). Faculties and Academies existed as independent attached units to the two universities and could offer both *višja šola, visoka šola* programs, and graduate programs. Academies are at present only attached to the University of Ljubljana. As of January 1, 1995, there are higher professional institutions, known as *visoka šola*, offering programs lasting from three to four years, including practical training and universities offering through Faculties and Art Academies, four- to six-year programs, and in certain subjects the shorter programs as well. Any schools continuing to offer only two -year programs will no longer be affiliated with one of the two universities and will belong to the vocational education system.

The Higher Education Act: The Higher Education Act of December 7, 1993 officially regulates the status of all higher education institutions in Slovenia. It decrees that a university "shall be devoted to the development of the sciences, professions and arts and shall transfer the knowledge in various fields and disciplines of science and art, in the educational process performed by faculties, academies of art and vocational higher education institutions." The Act defines faculties, academies, and vocational higher education institutions. Officially institutions of higher education are autonomous and have the following rights:

- freedom of research, artistic creativity and transfer of knowledge;
- independent regulation of their internal organizations and operations by their constitution in accordance with the law;
- adoption of criteria for awarding titles and awarding of titles to teaching and research faculty and faculty assistants;
- selection of faculty members to be appointed;
- preparation and adoption of study and research programs, determination of the study rules and the manner and terms of student examinations;
- awarding professional, academic, and scientific titles in compliance with the law;

Chart 5.1. Structure of Higher Education in Slovenia until 1994

Višja šola: Higher education institution with 2-2.5 year study programs. Graduates obtained a title, e.g., engineer for safety work, social worker.

Visoka šola/fakulteta: Higher education institution with 4-4.5 year study programs. Graduates obtained a title, e.g., *Diplomirani*...field (Graduate in...). Programs could be given in 3 ways: 1) an integrated 4-year (minimum length) program with no intermediate qualification (e.g., pharmacy, law, teacher training); 2) a 2-year plus 2-year type ending with a diploma after 2 years (e.g., economist, engineer) or a diploma after 4 years (e.g., Graduate economist, Graduate engineer). A student could obtain both diplomas, but students aspiring to the 4-year diploma usually did not apply for a 2-year diploma; 3) a hybrid type, in which all students had a common first year and then proceeded either to a *višješolski* program or a *visokošolski* program. To enter the latter, they had to satisfy set criteria, e.g., grade level.

Višješolski študij/program: A study program of 2-2.5 years leading to a title. Could be offered in *višja šola, fakulteta,* or *akademija.*

Visokošolski študij/program: A study program of 4-4.5 years in most subjects; in medicine, dentistry, 6 years. Offered in *fakulteta* or *akademija.*

The following gives the actual structure of the higher education institutions in 1993-94. The English translations are official Slovenian translations. See Appendix B for revised structure as of January 1, 1995 and for details of all programs offered and credentials awarded.

University of Ljubljana (Univerza v Ljubljani)
- Faculty of Arts (Filozofska fakulteta)
- Faculty of Law (Pravna fakulteta)
- Faculty of Economics (Ekonomska fakulteta)
- Faculty of Social Sciences (Fakulteta za družbene vede)
- Faculty of Natural Sciences and Technology (Fakulteta za naravoslovje in tehnologijo)
- Faculty of Architecture, Civil Engineering and Geodesy (Fakulteta za arhitekturo, gradbništvo in geodezijo)
- Faculty of Electrical Engineering and Computer Sciences (Fakulteta za elektrotehniko in računalištvo)
- Faculty of Mechanical Engineering (Fakulteta za strojništvo)
- Faculty of Medicine (Medicinska fakulteta)
- Biotechnical Faculty (Biotehniška fakulteta)
- Veterinary Faculty (Veterinarska fakulteta)
- Faculty of Sport (Fakulteta za šport)
- Faculty of Education (Pedagoška fakulteta)
- Theological Faculty (Teološka fakulteta)

Academy of Music (Akademija za glasbo)

Academy of Theater, Radio, Film, and Television (Akademija za gledališče, radio, film in televizijo)
Academy of Fine Arts (Akademija za likovno umetnost)
University College of Naval and Maritime Transport Piran (Visoka pomorska in prometna šola Piran)
University College of Social Work (Visoka šola za sovialno delo)
University College of Health Care (Visoka šola za zdravstvo)
Higher Technical Safety School (Višja tehniška varnostna šola)
College of Administration (Višja upravna šola)
College of Internal Affairs (Višja šola za notranje zadeve)

University of Maribor (Univerza v Mariboru)
School of Business and Economics (Ekonomsko-poslovna fakulteta)
Faculty of Technical Sciences (Tehniška fakulteta)
School of Organizational Sciences (Fakulteta za organizacijske vede)
Faculty of Education (Pedagogška fakulteta)
Faculty of Law (Pravna fakulteta)

College of Agriculture (Visoka kmetijska šola)
College of Nursing Studies (Višja zdravstvena šola)

- awarding of honorary doctorates and the title of professor emeritus;
- election, appointment and removal of governing bodies in accordance with their constitution and other regulations;
- decisions on the forms of cooperation with other organizations; and
- management of property in accordance with the purpose for which it was acquired.

Although the tertiary institutions are technically autonomous, in practice they are tightly controlled by the Higher Education Act and by the funding from the government. The Ministry of Education and Sport is responsible for financing higher education (based on the number of students enrolled in each institution), control of expenditure, and accreditation of study programs. The Ministry of Science and Technology is responsible for financing research in higher education. State funds represent 70-80% of the annual budget of the universities. The Higher Education Act further defines how a higher education institution can be established and what it must include in order to be approved by the Ministry of Education and Sport. The Act also defines the administrative branches of a university, the role of a Senate, the duties of the top officials (such as Rector, Dean) and the rules for content of study programs, their duration, academic year, admission requirements, *numerus clausus*, titles, and duties.

All higher education study programs must be first adopted by the senate of the institution and then officially approved by the Ministry of Education and Sport, through the expert opinion of the Council for Higher Education. The application for approval must include general data on the program, the syllabus, admission requirements, requirements for normal academic progress, the manner and types or educational activities, graduation requirements, and professional, academic and scientific title to be conferred in compliance with the law.

Tertiary education is free for all fulltime Slovenian students. Students must pay only for enrollment

documents. Part-time students and graduate students pay tuition fees. (Graduate education may become free to Slovenian students in the next few years.) More than one hundred and thirty tertiary programs are offered. In 1994-95, the number of students was 42,000 (33,000 fulltime students and 9,000 part-time students). Approximately 45% of the students discontinue studies after the first year. Only 30% of the entering cohort finish the degree program.

Academic Year: The academic year runs officially from October 1 to September 30, but this pertains primarily to fiscal matters. The fall semester (*zimski)* begins in October and ends in January; the spring semester (*poletni)* begins in mid-February and runs through June. Examination periods are in June, September, and from the end of January to early February. There are no summer sessions.

Language of Instruction: Slovenian is the language of instruction. Full study programs or individual courses may be offered in a foreign language if this is stipulated in the institution's constitution. In many graduate programs, textbooks written in English, German, or other European languages are used.

Tertiary Grading Scale: The grading scale for all tertiary programs is 10 to 1, with 10 the highest and 6 passing. Grades of 5 and below are considered failing. Grades below 6 are used to determine a student's average grade. The failing grades are only recorded internally and do not show on the student's record.

Governance of Tertiary Institutions: Each institution must have a constitution which regulates its organization and operations. A university must have a rector, a senate, an administrative board, and a student council. Members of a university, e.g., faculties, must have a dean, a senate, and a student council. Any other institution which is a part of the university, e.g., Computer Center, must have a director and possibly a council of experts.

A senate is the academic body of a university or a vocational higher education institution and is composed of full professors elected by the senates of the university member institutions. All scientific, art, and professional disciplines are equally represented. If full professors do not represent all these disciplines, then teaching faculty members may be senate members, as long as they do not form half or more of all senate members. The rector of the university and the deans of the member institutions are *ex-officio* members of the senate.

The administrative board is the administrative body of a higher educational institution and has the right to decide on business transactions. It is composed of representatives of the founder of the institution, the faculty, the students, and the staff.

A rector is the academic head and chief executive officer of a university and is elected by the university senate. Among other duties, the rector approves appointments of teaching and research faculty and faculty assistants (on recommendation of the appropriate dean), awards *Doktor* degrees, and confers other university awards.

Teaching and Research Faculty: Teaching faculty of university programs are *redni profesor* (Full Professor), *izredni profesor* (Associate Professor), and *docent* (Assistant Professor).

Teaching faculty of *višja šola* and the *visoka šola*, in addition to the above, include *višji predavatelj* (Senior Lecturer), and *predavatelj* (Lecturer).

Research faculty members are *znanstveni svetnik* (Research Advisor), *višji znanstveni sodelavec* (Senior Researcher), and *znanstveni sodelavec* (Researcher).

Faculty assistants are *asistent* (Assistant), *lector* (Lecturer), *strokovni svetnik* (Expert adviser), *višji strokovni sodelavec* (Senior Adviser), *strokovni sodelavec* (Junior Expert), and *učitelj veščin* (Instructor).

A permanent appointment to a university teaching faculty at the rank of Full Professor, Associate Professor or Senior Lecturer requires the *Doktor znanosti* from Slovenia or the Ph.D. from another country. Assistants, Lecturers, Expert and Senior Advisers, Junior Experts, and Instructors must hold at least a university degree. Senior Lecturers in vocational education institutions are required to hold a *Magister* or *Specialist* degree and Lecturers must hold at least university degrees. Senior Researchers, Researchers, and Research Advisers, must hold the *Doktor* from Slovenia or the Ph.D. from another country.

Full Professors and Research Advisers are appointed for an unlimited period of time. Others receive five-year appointments, except for faculty assistants and appointments to academy of art or vocational higher institutions, who have specific terms in accordance with the constitution of the institution.

Professors, Associate Professors, and Assistant Professors teach 6 hours per week; Senior Lecturers, and Lecturers, 9 hours per week. and Assistants, 10 hours per week.

Admission Requirements: Until June 1,1995, the *Spričevalo o zaključnem izpitu* (Certificate of final examinations) from a 4- or 5-year program is the required credential for admission to all programs. After that date, the new *Matura* examinations (see Chapter 4) will be required for entry to all university programs of four year length or longer. Entry to short professional (technical and vocational) programs will still be based on the *Spričevalo o zaključnem izpitu* from a 4- or 5-year program. In addition, there will continue to be other specific prerequisites for most programs, including an applicant's special abilities and/or psychological and physical characteristics.

Each program has a fixed number of places, the number being proposed by the institution and approved by the Ministry of Education and Sport. In many subjects, restricted admission (*numerus clausus*) exists. Where restricted admission exists, selection of candidates must be based on the average obtained on the *Matura* examinations or the secondary school leaving examinations and the average of the marks from the third and fourth year in secondary school.

In addition, the University may consider grades of individual *Matura* or secondary school leaving examination subjects that are prerequisites for the study program, as well as grades of individual subjects taken in the last two years of secondary school. Under the system of entrance based on the secondary school leaving certificate, *Spričevalo o zaključnem izpitu* from a 4- or 5-year program, university entrance examinations were required if there were too many applicants. The new *Matura* examinations are expected to make this unnecessary. In special cases, as an alternative to the secondary leaving examinations, a special examination, whose contents are determined by individual institutions of higher education, has been offered. The same amount and level of knowledge is demanded as that in a four-year secondary school program.

There is a mandatory public announcement of enrollment openings for all state-approved study programs. Undergraduate program announcements are published at least six months before the beginning of the new academic year. For *Magister* and *Specialist* programs, publication must be at least three months in advance. The announcement, in addition to the name and address of the higher education institution and the name of the study program, includes the length of study, the admission requirements, the anticipated number of study places, and the preregistration and registration procedures and terms.

Levels of Tertiary Education and Credentials Awarded

The length and components of a study program are defined by the Higher Education Act of 1993.

All credentials are awarded by the respective university and the particular member institution and are signed by the Rector of the University, the Dean of the Faculty, Academy, or School and the Chairman of the department. (See Appendix C for full listing of all degrees awarded.) Documents and transcripts of grades are readily available. Some diplomas will include a grade sheet or transcript within the diploma folder. (See Document 5.1.) Universities will produce and certify records in English if requested.

Tertiary education is organized on two levels:

Undergraduate Studies: Undergraduate programs must either lead to a three-year (formerly two- to two-and-a-half-year) credential or a four- to six year university degree. Undergraduate study programs must include at least 20 and no more than 30 hours of lectures, seminars and exercises per week for 30 weeks per year.

• *Three-year Programs.* Professional/vocational higher education organized by faculties, academies and *visoka šola*, previously also by *višja šola*, are offered in fields of education, economics, music, engineering, social and welfare studies, transport and maritime studies, and paramedical subjects, e.g., nursing. Such programs are referred to as *dodiplomski-višješolski študij* (prediploma-high school study), Under the new 1993 Act, former two- to two-and-a-half year programs must become at least three-year programs if they are to continue under university sponsorship. Upon completion, students are awarded professional titles, e.g., *Ekonomist* (Economist), *Inženir...* (Engineer...field). (See Table 5.1 for sample two-year course of study for the *Ekonomist* program and Document 5.2 for an *Inženir kmetijstva* diploma.) Programs follow a specific study plan (about 25 hours per week), with a total of 750 contact hours per year. They end with a final examination and/or a written thesis. Graduates of these shorter programs may continue studies in a related university program if they pass additional examinations to bridge the difference between the completed program and the first years of the respective university program. Transfer into the longer programs is quite rare.

• *Four- to Six-year Programs.* University-level programs, *dodiplomski-visokošolski študij* (prediploma-higher school study), providing scientific, profession-oriented training, are organized by faculties, academies and *visoka šola*. Programs require a minimum of 750 contact hours per year of instruction. Each subject is completed by an examination (*izpit*). (See Table 5.2 for *Diplomirani ekonomist* program of study.) The course of study normally ends with a diploma thesis (*diplomska naloga*) in the form of a scientific report or a project that proves the ability of the candidate to solve problems in the field of study. The subject can be proposed either by the student or the professor in charge. In most programs students have four years of classes and one additional year, often referred to as the diploma year, to complete the diploma project or thesis. The diploma year may or may not be recognized by the Ministry of Education and Sport as formal semesters of full-time study for funding purposes, either for the student or for the institution, depending on the finances available. Graduates have professional knowledge and skills needed for employment as well as for further study. On completion, students are awarded professional titles, e.g., *Diplomirani....* (field), *Profesor...*(field). or *Akademski...(field), doktor medicine* (Doctor of medicine), *doktor stomatologije* (Doctor of dentistry). (See Documents 5.3, 5.4, and 6.1.)

Graduate Studies: Studies at the graduate level (*podiplomski študij*-postdiploma studies) are defined by the Higher Education Act as studies leading to a *Specialist* degree, a *Magister* (Master) degree, or a *Doktor znanosti* (Doctor of science) degree. (See Documents 5.5, 5.6 and 5.7.) Admission to graduate studies requires a diploma from a four- to six-year program in a related field. Often additional special requirements must also be met. For the *Magister* programs, a minimum

grade average of 8 or a noticeable research result, plus fluency in one foreign language is required. Institutions may set their own standards of admission and study. Graduate programs are offered on a fulltime or part-time study basis. Many students attend part-time, as education at this level is not free.

• *Specialist*: One- to two-year post-diploma specialization studies (*podiplomski-specialistični študij*) are focused on professional specialization. Specialization studies in medicine, under the auspices of the Ministry of Health, however, require a minimum of three years. Programs follow a specific study plan with lectures and tutorials. Each subject is completed by an examination. A thesis (*specialistična naloga*) is required. Upon completion, students are awarded the professional title of *specialist* in a particular field, e.g., *Specialist klinične psihologije* (Specialist in clinical psychology). *Specialist* study programs can be offered in faculties or *Višoka šola*. Credit for studies done in these programs is not given in Slovenian *Magister* or doctoral programs should the student decide to continue advanced education, as the work is considered advanced professional/vocational study, not academic research-oriented study.

• *Magister/Magistra:* Two-year post-diploma master's programs (*podiplomski-magistrski študij*), which are research-oriented, are offered in all disciplines. Contact hours are from 300-450 hours. The programs follow a specific study plan with lectures and tutorials, and examinations in each subject. Students often study part-time and take longer than the officially stated length. These programs end with a public presentation (defense) of a thesis, which is a scientific work based on independent research proving the ability of the candidate to solve demanding research and development tasks. The diploma of *Magister* (Master) is awarded in the field. Graduates can continue studies at a doctoral level under the institution's regulations.

• *Doktor*: Post-diploma doctoral studies (*podiplomski-doktorski študij*) leading to the *doktor* degree, often referred to in Slovenia as the Ph.D., are individual and research-oriented and are offered in all disciplines. The most common degree is the *Doktor znanosti* (Doctor of science), but some diplomas may indicate the area, e.g., *Doktor tehniških znanosti* (Doctor of technical science), *Doktor ekonomskih znanosti* (Doctor of economic science), *Doktor organizacijžskih znanosti (*Doctor of organization science), *Doktor medicinskih znanosti* (Doctor of medical science). Studies take at least four years beyond the *Magister* degree with a maximum of six years. Candidates who have completed at least a four-year university program may be admitted without a master's degree, but are obliged to take a qualifying examination for doctoral studies during the course of their program and fulfill other obligations, such as scientific publications. Prior to 1993, admission to doctoral programs required a recommendation from two professors to continue for a dissertation or approval of a dissertation based on outside research, plus specific graduate courses.

Doctoral studies follow individual study plans based on independent research and in most fields there are no required courses. A dissertation (*disertacija)*, presented as a public lecture before a committee of professors from the department, plus one from another university or faculty, is required to de-monstrate the candidate's original contribution to a body of knowledge in the field. The subject of the dissertation may be proposed by the student or the teacher and then must be approved by the University Senate. One copy of the bound dissertation is placed in both the National and University Library and one is retained in the school's library. An abstract in English is required.

Under the 1993 Higher Education Act, the doctorate can be granted based on a series of papers and research, i.e., a cumulative doctorate. This change of regulations is intended to permit mature scholars to obtain the doctorate.

Table 5.1. Two-Year Tertiary Professional *Ekonomist* (Economist) Program Business and Finance Option, 1993–94, School of Business and Economics University of Maribor

Subjects. Year 1	Total Hours	Subjects. Year 2	Total Hours
Economics of Enterprises	120	Basics of Finance	60
Principles of Economics	120	Information Technology and Computer Practice	60
Mathematics	120	Technology Systems and Products	90
Statistics	90	Money and Credit	120
Accounting	90	Financial Function in Enterprises	120
Business Law	90	Banking	120
Basic Organizational Concepts of Enterprises	60	Budgetary (Fiscal) Financing	90
Foreign Language	60	Analysis and Auditing of Financial Statements	90
Total hours	**750**		**750**

Notes: Year 1 is a common curriculum for all *Ekonomist* programs. Students must pass 7 of the 8 examinations from the first year to proceed to second-year studies. However, with a grade point average of at least 8, a student can enter the second year with only 6 subjects passed.

Selection of the field specialization is made at end of year 1. All courses are prescribed; there are no electives.

In addition to passing all 8 courses in Year 2, students must write and present 2 papers and undertake two weeks of practical work in a firm. A written report and a 15-20 page final project are required.

Table 5.2. Four-Year Tertiary *Diplomirani ekonomist* (Graduate in Economics) Program, Banking and Finance Specialization, 1993–1994, School of Business and Economics, University of Maribor

	Hours per Semester		Total Hours per Year
	Semester 1	Semester 2	
Year 1. All Economics Programs			
Economics of enterprises	120	-	120
Mathematics	60	60	120
Business law	90	-	90
Foreign language I	30	30	60
Basic organizational concepts of enterprises	60	-	60
Principles of economics	-	120	120
Statistics	-	90	90
Accounting	-	90	90
Total	**360**	**390**	**750**
Year 2. All Economics Programs			
Economic analysis and policy	60	60	120
Mathematical and statistical methods	60	60	120
Information science	60	60	120
Operations research	60	60	120
Foreign language II	45	45	90
Introduction to finance	60	-	60
Fundamentals of marketing	60	-	60
International economic relations	-	60	60
Physical education*	(30)	(30)	(60)
Total	**405**	**345**	**750**
Year 3. Banking and Finance			
Corporate politics and policy	90	-	90
Sociology	90	-	90
Financial market	90	-	90
Corporate planning and analysis I	60	60	120
Foreign language III	60	60	120

Systems theory	60	-	60
Basic business finance	-	90	90
Technological process and eco-techniques	-	90	90
Physical education*	(30)	(30)	(60)
Total	**450**	**300**	**750**
Year 4			
Money theory and monetary system	90	-	90
Business accounting	90	-	90
Banking economics	90	-	90
Information systems and information technology in finance	90	-	90
Theory of credit and credit system		90	90
Financial management		90	90
Tax system and policy of taxation		90	90
International business finance		90	90
Seminar		30	30
Physical education*	(30)	(30)	(60)
Diploma semester**		(300)	(300)
Total	**360**	**390**	**750**

* Physical education hours are not included in the total hours.

**A research paper/project of 60 to 100 pages is required to complete the degree studies. The hours listed are not included in the totals.

Notes on program: Two weeks' practical work in a business firm or industrial establishment is required.

Required papers: Three 5 to 15-page papers, 1 in the third year, 2 in the fourth. These papers are presented orally in 5 to 15 minute sessions.

Students may choose English, German, French, or Italian as a foreign language.

Chapter 6. Education in Special Fields

Agriculture (*Kmetijstvo*)

Agricultural studies are offered both at the secondary level and at the tertiary level.

Secondary School Programs: Two-year programs lead to *Kmetijski delavec* (Agricultural worker) (see Table 6.1 for curriculum); *Kmečka gospodinja* (Female agricultural worker). Three-year programs lead to *Kmetovalka-gospodinja* (Agriculturist-female); *Kmetovalec, poljedelec-živino-rejec* or *sadjar/vinogradnik* (Agricultural worker, agriculturist-cattle breeder or fruit production-viticulture); *Kmetijski mehanik* (Agriculture mechanic). Four-year programs lead to *Kmetijski tehnik* (Agriculture technician) (see Table 6.2 for curriculum) and *Tehnik kmetijske mehanizacije* (Agriculture mechanical technician). (See Chapter 4.)

Tertiary Programs: Studies are offered in the Department of Agronomy of the Biotechnical Faculty, University of Ljubljana and at the University College of Agriculture (*Visoka kmetijska šola*) of the University of Maribor.

Five-semester programs, leading to *Inženir kmetijstva* (Agricultural engineer), have been offered in *agronomija* (agronomy) at the University of Ljubljana, and with specializations in *agronomija, zootehnika* (zootechnics) and *kmetijska tehnika* (agricultural techniques) at the University of Maribor. These programs will probably be extended to six semesters. (See Table 6.3 for the curriculum and Document 5.2.)

Eight-semester programs lead to the *Diplomirani inženir kmetijstva smer agronomija, sadjarstvo-vinogradništvo, poljedelstvo in vrtnarstvo* (Graduate agriculturalist in agronomy, fruit and wine production, agriculture and horticulture) at the University of Maribor, and the *Diplomirani inženir kmetijstva smer agronomija* (Graduate agriculturist in agronomy) at the University of Ljubljana. (See Table 6.4 for the curriculum.)

Architecture (*Arhitektura*)

Architectural studies are offered only at the University of Ljubljana in the School of Architecture, which was part of the Faculty of Architecture, Civil Engineering, and Geodesy and as of January 1, 1995 became a separate faculty. The program requires four-and-a-half years and leads to the degree of *Diplomirani inženir arhitekture* (Graduate in architecture). The first year of studies (number of hours in parentheses) includes a seminar (210), mathematics (90), descriptive geometry (90), basic technical mechanics (105), architectural construction (105), freehand drawing (90), elementary architecture (60), and physical education. The second year continues with a seminar (285), construction and dimension drawing (90), color studies (90), elementary modeling and composition (60), elementary urbanization (60), architectural history I (60), building technology and building and architecture (60), technological installation (60), and physical education. The third year includes the seminar (300), architectural sketching (60), urban architecture (60), architectural history II (60), public structures I (60), residential structures II (60), theoretical architectural modeling and composition (60), optional subjects, with a choice of architectural theory and criticism, idiomatic space, plastic order, construction systems, computer science, or details and elements of architectural composition (30), and foreign language. The fourth year continues the seminar (330), and includes urbanization (90), renovation architectural design (90), communal structures II (60), residential structures II (60), industrial structures (60), foreign language and two 30-hour optional subjects chosen from one of two tracks: urbanization or freehand drawing. The final semester is devoted entirely to a seminar for 375 hours.

The architecture faculty also offers *Magister* and *Specialist* studies.

Business, Economics, and Management (*Ekonomija*)

Business training is offered at all educational levels. In secondary school, several business training programs are offered: *Administrativna dejavnost* (Secretarial training), a three-year program; *Poslovno-finančna dejavnost* (Business and finance), three- and four-year programs; and a two-year *Diferencialni* program to upgrade the three-year *Administrator* program to the equivalent of the four-year program; *Trgovinska dejavnost* (Trade, commerce administration), three- and four-year programs; *Upravna dejavnost* (Public administration, clerical plus documentation, archiving), a four-year program; and the five-year *Trgovska akademija* (Trade academist) program. (See Chapter 4 and Table 4.1 for details and titles awarded in these programs.)

At the tertiary level, both universities offer studies leading to the credential of *Ekonomist* (two- to three-year programs) and four-year *Diplomirani* programs in the Faculties of Economics (see Appendix B for details of university programs and Tables 5.1 and 5.2 for specifics of these two types of programs). There has been an increased interest in business management training programs and programs called in Slovenia, Master of Business Administration (MBA) programs to re-spond to the need for business managers in the new republic. MBA programs are offered by both the University of Ljubljana and the University of Maribor. These have Ministry approval. These programs do not follow the same structure as most American-style MBA programs, nor do they require the same length of study. In addition, there are several private institutions offering business programs, which as yet do not have Ministry approval.

University MBA Programs

University of Ljubljana: A fulltime residential MBA program is offered in management and organization at Radovljica, a town about 20 miles north of Ljubljana. The program requires 15 months and consists of 900 hours of study. The 1994-95 schedule was as follows: Term 1: October 3 to December 15, with exams from Dec.ember 15 to December 23. Term 2: January 9 to March 20, with exams from March 22-31. Term 3: April 15 to June 30, with exams from July 3-10. Term 4 is individual project preparation and can be carried out away from the campus. There is a week of final discussions in September on the theses (projects) prepared, with each student presenting his/her topics before a committee. The oral defense of the Master's thesis is in December.

The program is offered primarily for practicing business people, who take time out to devote themselves to fulltime study. The main objectives of the program are to ensure high quality training for top managers in Slovenia; to develop in-depth managerial knowledge and skills and thus train participants to be able to perform research and development work in the field of business policy and organization; to qualify participants for the most responsible managerial positions in companies; to enable participants to analyze and develop solutions to the problems which top managers face under the conditions of company adjustment to management; to train participants to be able to cope with a competitive environment; to provide managers with knowledge of the functioning of the Slovenian economy as well as make it possible for them to influence the formation of a proper business community in Slovenia.

The first-term courses are managerial economics, statistics and mathematics for business decisions, financial accounting, management and organization behavior, macroeconomics for managers, and business law.

The second-term courses are multivariate analysis for business decisions, corporate finance, human resource management, marketing management, production management, and managerial accounting.

The third-term coursework is information, organization and control systems, strategic management, corporate reconstructing, leadership and management of change, and international management. In this term students have the option of specializing in bank management and take the following courses: investment, financial markets, bank management, and international finance.

The final term is dedicated to preparation of the Master's thesis in the form of a project work. The thesis is to be based on independent research work and should prove that the candidate has mastered the field and the applied research methods. The thesis must be oriented towards solving an empirical problem. It is expected to be of no more than 100 pages.

There is a study tour (in November) of European and American business schools, companies, and other organizations.

Each course has 70-minute lectures twice a week. At least half of the lecture period is devoted to organized group work. Examinations are held at the end of each course. Students must earn 60 credit points. A 60-hour course yields 3 credit points. The thesis is given 12 credit points.

The degree awarded is the Master of Management and Administration. Graduates may continue in doctoral studies in the Faculty of Economics at the University of Ljubljana.

Admission requirements: A Bachelor's degree, Graduate Management Admission Test (GMAT) scores, at least two years' work experience, preferably in the field of management, a summary of managerial tasks and duties performed, and a personal interview. Applicants without work experience may be accepted if they have an undergraduate record with an average grade of 8 and/or have achieved exceptional research results, demonstrated by having won university or faculty awards or prizes. A maximum of 25 candidates are accepted for the program.

Language of instruction: Slovenian and English. If there is at least one foreign student in the class, instruction is in English. If all students are Slovenian, Slovenian professors (50%) lecture in Slovenian and professors from other countries (50%) lecture in English. All books and other materials are in English.

Tuition fees: 20,000 Deutsch Marks (approximately $12,000 US plus living expenses).

The program cooperates with Bristol University in the UK, the University of Amsterdam in the Netherlands, and Cornell University, Indiana University, Kellogg School at Northwestern University in the US.

Further information can be obtained from:
Faculty of Economics, Kardeljeva ploščad 17, 61000 Ljubljana, Slovenia. Tel: 386-61-168 33 33, Fax; 386-61-345 419.
or
Intertrade ITS Training Centre, Kranjska cesta 4, 64240 Radovljica, Slovenia, Tel: 386-64-715 664; Fax: 386-64-715 326.

University of Maribor: The MBA program, begun in 1991, is offered by the International Graduate School of Business Administration, which is a part of the Faculty of Business Economics. It is offered at a site just outside Maribor.

Languages of instruction: Slovenian, German, and English.

Program structure: The program lasts 16 weeks and aims to create future managers. It is composed of modules and is implemented through

three levels. The first level, which is 60% of the program, deals with General Management (*Splošni management*) and is compulsory for all students. Studies include corporate business policy, legal aspects of management, dimensions of management, behavioral aspects of management, technology and innovation management, introduction to business economics, introduction to financial management, management information systems, and business game. At the second level, for 30% of the program, students can specialize in one of four areas:

1. Marketing Management (implementation of the marketing concept, management of marketing activities, strategic marketing, product management, management of marketing channels, communication, i.e., promotion management, management of marketing information system, management of purchasing marketing, international marketing management, legal aspects of marketing management, and business marketing game).

2. Financial Management (corporate financial environment, corporate financial management, financial decision making, financial crisis management, international financial management, financial controlling, banking and stock exchange decision making, and business, i.e., financial game).

3. International Management (international marketing management, the world economy and international integration, international financial management, legal aspects of international management, international dimensions of human resources management, and business marketing game).

4. Production Management, which was added as a fourth option in 1994.

The last 10% of the study period is compulsory for all students and consists of an integrative business game, and application of strategy and functional area theory to practice through short management consulting assignments. The degree awarded is the Master of Business Administration (MBA).

Admission requires a university degree of at least four years' length in any field, two years of relevant work experience, and an appropriate personality and motivation.

Tuition fees: The cost in1994-95 was 14,300 Deutsch Marks, approximately $9,400 US, plus living expenses.

See Appendix B, University of Maribor, for details of *Specialist* and *Doktor ekonomskih znanosti* programs in field of business.

Private Institutions Offering Business Management Programs:

International Executive Development Centre, Brdo, Brdo pri Kranju, 64000 Kranj, Tel: 386 64 221 761, Fax: 386 64 222 070.

The Centre was established in 1986 by the Slovene Chamber of Economy to provide managerial education for executive and high-potential young managers. It offers short seminars, longer-run management courses, forums and in-company programs. An International Executive MBA program has been offered since 1991 and a Presidents' MBA program since 1993. As in the MBA programs offered in the two universities, these programs do not follow an American-style program and are much shorter. The programs are not recognized by the Slovenian Ministry of Education and Sport. The Centre combines theory and practice and employs Slovene professors of management, successful businessmen, well-known professors from Europe and US management schools. It interacts with the international business community and is the seat of Central and East European Management Development Association.

Language of instruction: English (unless otherwise noted).

• International Executive MBA: four four-week modules, which include case discussions, role

playing, presentations, lectures, computer-based modelling and in-company project work. Field studies in European companies are possible.

Module 1: Management Functions and Disciplines (marketing, finance, microeconomics, macroeconomics, industry and competitive analysis, managing information systems, operations management, communication skills, and team building).
Module 2: Management Processes and Skills (human resource management, organization behavior, organizational structure and processes, financial accounting, management accounting and control, technology management, negotiation skills, time management, and project presentations).
Module 3: Strategic Management in the International Business Environment (strategic management/business policy, international business strategy, European business environment, international finance, international study trip to Austria and Germany, trip debriefing reports, and project presentations).
Module 4: General Management (financial system and privatization, key factors of business success, entrepreneurship, ethics in management, ecological issues, role of boards, and final project presentations).

A written exam is required at the end of each module. Project work involves a three-phase approach: industry analysis, company analysis, and issue analysis and implementation.

Admission requires the Graduate Management Admission Test (GMAT) and the Test of English as a Foreign Language (TOEFL); a minimum of three years' meaningful work experience, strong previous academic record, two letters of recommendation from former or current employers and an interview.

Tuition, 1994 (including field trip) was 18,000 Deutsch Marks (approximately $11,000 US dollars; hotel, 5,000 Deutsch Marks (approximately $3,000 US).

• Presidents' MBA program: Programs, while subject to individual timetables, must be completed within three years. Entrance is permitted at any time. Students may choose modules from the Executive MBA program, stand-alone seminars, or modules specially designed for the Presidents' program. Supervised reading can be substituted for some courses. Participants must select 73 days from the required courses and 8 days from optional courses and complete 15 days in special modules. Individual study with professors is included. Completion of an in-company project is required. The total program lasts 96 days, plus individual study and the project.

Admission is open to presidents and general managers and, on an individual basis to board members, vice-presidents and deputy general managers. Admission is based on a review of the applicant's career to date, responsibilities, and educational readiness for the program. Formal application and an in-depth interview with professors is required. Applicants must pass the institution's English proficiency test.

GEA College, Dunajska 156, 61109 Ljubljana, Tel: 386 61 16 87 002, Fax: 386 61 16 88 213. Bohinj location: Ribčev laz 63, 64265 Bojinjsko jezero.

GEA College is an entrepreneurial training center, with locations in Ljubljana and in Bohinj. It is associated with Babson College in Boston and offers special programs in cooperation with Babson. It was established in 1990 as a school for entrepreneurship. GEA College acts as a representative for the US publishing house Entrepreneur. The Slovenian International Consultants, a consortium for education, advisory work, research, engineering and planning is headquartered at the College. It offers numerous short courses ranging from two days to two weeks. All courses require a fee. At this time no

degree programs are offered. The programs are not recognized by the Slovenian Ministry of Education and Sport.

Engineering (*Tehnika*)

There are extensive engineering-related programs offered at the secondary school level: *Elektrotehnika* (Electrical engineering), *Gradbeništvo* (Construction), *Metalurgija* (Metallurgy), *Rudarstvo* (Mining and mineral engineering), *Strojništvo* (Mecahnical engineering). See Chapter 4, and Table 4.1 for details of these programs which last two, three, or four years.

At the tertiary level, there are many two-and-a-half year programs leading to the title of *Inženir* in a specific field. Most of these programs will soon be extended to three years. These programs train engineering technicians in the different fields. See Table 6.5 for a sample curriculum of one of these short programs. There are also four-and-a-half year, research-oriented programs, leading to the *Diplomirani* in all engineering disciplines available at the two universities. (See Table 6.6 for a sample curriculum of one of these *Diplomirani* programs, which train research-oriented graduates.) The universities also offer *Magister*, *Specialist* and *Doktor tekniških znanosti* studies in engineering.

Fine Arts (*Likovna umetnost*): Painting, Sculpture, and Design (*slikarstvo, kiparstvo, oblikovanje*)

At the secondary level, four-year programs in graphic design are offered. (See Chapter 4, and Table 4.1.)

Training at the tertiary level in the artistic fields is offered at the Akademija za likovno umetnost (Academy of Fine Arts), Erjavčeva 23, 61000 Ljubljana. Tel: 386-61-1272 621, Fax: 386-61-1271 593.

Four-year tertiary programs offered in painting, sculpture, restoration and conservation, and design lead to the degrees of *Akademski slikar*, *Akademiski kipar*, *Akademski restavrator*. (See Table 6.7 for the curriculum of the four-year Academy Painter program.) *Magister* and *Specialist* studies are also offered. The curriculum for the sculpture program is very similar to that for the painting program, with hours for sculpture replacing drawing and painting hours. Both programs permit students to select restoration and conservation studies in years three and four.

There is one private college of painting: Mestna šola za risanje in slikanje (City College of Arts and Crafts), Art. agencija, a.o.o., Ulica talcer 6, Ljubljana. This institution does not have ministry approval at this time.

Hotel Management and Tourism (*Hotelirstvo in turizem*)

Only one private institution, Visoka šola za hotelirstvo in turizem, Piran (Higher school of professional training in hotel management and tourism, in Piran) CIRT, Prekomorskih brigad 7, 66310 Izola, Tel: 066 62-921, 62-925, Fax: 066 65-495 (this is a temporary address) offers tertiary-level hotel management training. This school has received approval from the Ministry of Education and Sport. It is an independent professional higher education institution, with a 3-year program in hotel management and tourism. Tourism is also offered in a four-year secondary program in the secondary schools and also at this private institution.

Law (*Pravo*)

Legal studies are offered at both universities. A four-year program leading to the *Diplomirani pravnik* (Graduate in law) provides legal training. After receiving the degree, the graduate must work for two years in a law firm and pass a professional examination before being allowed to practice independently.

Medicine (*Medicina*)

Medical Studies: (*Študij medicine*):

The study leading to the first professional degree in medicine, offered only at the University of Ljubljana, required five years until 1993. It was then expanded to a six-year, two-semester program. Studies lead to the degree of *Doktor medicine* (Doctor of medicine).

Admission is on a restricted basis (*numerus clausus*) and the number of applicants exceeds the number of places. (For 1992/93, there were 335 applicants for 150 places.) Entrance examinations in physics, chemistry, biology, and a foreign language are required. Under the new *Matura* program, students will be required to take the examinations subjects in these fields. (See Chapter 4 for a description of the *Matura* program.)

The study program for medicine includes 4,725 periods of compulsory study over the course of the program. Semesters are 15 weeks each and there are normally 30 periods of teaching a week. Lectures occupy about 50% of the studies; seminars and clinical work make up the rest of the time. In the final year, most of the work is in practical work, seminars, and internships. In all, there are 43 subjects, each with an examination. No thesis is required.

After obtaining the degree, students enter into a supervised internship of one to three years, at the end of which they take a national professional examination (*strokovni izpit*) set by the Ministry of Health. On successful completion of this examination, the doctor may practice independently. Further study is available leading to the *Magister* and *Doktor* degrees or in numerous *Specialist* specializations which require three to four years of part-time study.

Dentistry (*Stomatologija*):

Dental technician (*Zobotehnik)* studies are offered at the secondary level in a four-year program.

The first professional degree in dentistry, *Doktor stomatologije* (Doctor of dentistry), offered only at the University of Ljubljana, required five years of study until 1993-94, when the program was increased to six years. The first two years follow the medical studies program. The compulsory part of the course requires 4,395 periods, or an average of 886 periods a year. On completion of studies, an additional period of internship is required. At the end of this period, a national professional examination (*strokovni izpit)* set by the Ministry of Health is taken. Successful completion permits independent practice. Further study is available to the *Magister* or the *Doktor,* or in numerous *Specialist* specializations.

Veterinary Medicine (*Veterina*):

The first professional degree in veterinary medicine, *Doktor veterinarske medicine* (Doctor of veterinary medicine), is offered at the University of Ljubljana and requires five years of study (see Table 6.8). Following graduation, one additional year is spent in various types of veterinary institutes, after which the national professional examination (*strokovni izpit*) must be passed before independent veterinary practice can be undertaken.

Pharmacy (*Farmacija*):

A four-year secondary school program leads to the credential of *Farmacevtski Tehnik* (Pharmacy technician). A two-year tertiary program at the University of Ljubljana, which is being expanded to three years, leads to the credential of *Inženir farmacije* (Pharmacist) which prepares students for professional work in the pharmaceutical industry.

The first professional degree in pharmacy, *Diplomirani inženir farmacije* (Graduate Pharmacist), offered only at the University of Ljubljana, was an eight-semester program until 1993. It was increased to a five-year program as of the 1993-94 academic year, retroactive for students who entered in 1991. The longer program permitted an increase in the number of pharmaceutical subjects which could be taught. (See Table 6.9 for the curriculum of the new pharmacy program.) On completion of studies there is a one-year period of supervised work in pharmaceutical companies or community or hospital pharmacies. On completion of this year, a national professional examination (*Strokovni izpit)*, set by the Ministry of Health, must be passed before the graduate can practice independently.

Admission to the *Diplomirani* program requires examinations in mathematics, biology, chemistry, and physics. From 1995 on, all applicants will be required to take the Matura examinations in these subjects. There is considerable demand for the program. For the 1993-94 year, 215 applicants applied for 135 spaces. (See Chapter 4 for details of the *Matura* examinations.)

Specialist, Magister, and *Doktor* studies are offered in the field of pharmacy. Students may be admitted directly to the doctoral program without the *Magister* since the first year of the two programs are the same and students and faculty decide at the end of the year in which program the student should continue.

Paramedical Studies

Four-year secondary school programs offered in secondary schools for health technicians provide training for health science technicians and laboratory technicians, leading to the titles of *Zdravstveni tehnik* and *Laboratorijski tehnik.*

Tertiary studies in paramedical fields are generally three years in length and have been offered in *višja šola.* or in *visoka šola.* Specific fields and titles awarded are described below.

Nursing *(Zdravstvena nega):*

Training for nursing has a long history in Slovenia. In 1753 a school for midwives was established. In 1924 the first school of nursing at the secondary level was opened in Ljubljana. Admission was based on completion of eight years of primary education, plus attainment of age 18. Nursing was primarily provided by nuns, without official training, until after World War II. Following the war, two types of nursing schools developed. One was a secondary school for "middle nurses" offering a four-year program, which became the present secondary school for health technicians (*srednja zdravstvena šola*). Graduates were not allowed to perform nursing care independently and could work only under the supervision of "higher" nurses. The second type was a higher education school for "higher nurses," which was founded in 1951 and became the Department of Nursing at the University College of Health Care (Visoka šola za zdravstvo) of the University of Ljubljana in 1976-77. In 1993 a second school of nursing opened at the University of Maribor, Višja zdravstvena šola (College of Nursing Studies), which became Visoka zdravstvena šola (University School of Nursing) in January, 1995.

At present there continues to be nursing training at the secondary level and the tertiary level. There is a two-year secondary program leading to the title of *Bolničar* (Nursing assistant) and a four-year secondary program leading to the credential of *Zdrastveni tehnik* (Health science technician), which is offered in secondary schools of health technicians (*sredna zdravstvena šola*).

Admission to tertiary nursing programs requires completion of 12 years of schooling either in a program from a secondary school for health technicians or from a gymnasium, with a

Spričevalo o zaključnem izpitu (Certificate of final examinations).

The course of study leading to the credential of *Višja medicinska sestra* (literally, Higher nursing sister, i.e., nurse) or *Višji zdravstveni tehnik* (Higher health technician, i.e. male nurse) includes general nursing education (53%), health sciences (35%), social sciences and humanities (12%); plus a diploma thesis in the sixth semester. On completion of studies, there is a nine-month internship in all fields of health care leading to a state examination after which nurses may work independently. Specifics of the curriculum follow with the number of hours in parentheses.

Year 1: General nursing I (217); anatomy, physiology in pathology (120); diagnostic therapy program and nursing care (155); philosophy and professional ethics (35); medical physiology (45); hygiene and epidemiology (40); health care education and health care nursing (30); foreign language (45); traumatology (30); physical education (60); and practical training (84).

Year 2: General nursing II (203); sociological health service in nursing care (70); organization in nursing care (45); pediatrics (30); area of surgical medicine (75); internal medicine (95); gynecology and obstetrics (30); nursing care in factories and dispensary protection (180); and nursing education in health care (30).

Year 3: Fall semester: General nursing III (155); mental health (25); social medicine and statistics in health care (75); marital health (30); surgical medicine sphere-orthopedics (20); organization of nursing care (30); and health protection in exceptional circumstances (30). The last semester is devoted to the diploma thesis preparation.

Graduates of nursing programs can go into one year part-time specialization programs, leading to the title of *Višja medicinska sestra specialist* (Higher nursing sister specialist) in psychiatric nursing, community nursing, gynecological and obstetric nursing, ophthalmological nursing, intensive care nursing, and nursing management. As of 1993-94, graduates of the nursing program could continue in a new two-year program leading to a *Diplomirani* degree (the exact title still to be determined). The first degree will be awarded in 1995-96. The studies require four semesters after the three-year nursing credential. The first year of study includes (number of hours in parentheses): education for health (120), psychology and health (75), theory of education and adult education (90), didactics (45), nursing care (135), health, illness and environment (90), current health problems (30), research methodology (90), statistics and computers (90), health care system and health care institutions, (60), management of nursing care. Second-year studies continue with psychology and health (49), nursing care (185), current health problems (60), research methodology (60), management of nursing care (33), counseling (60), didactics of nursing education (90), sociology (90), and organizational administration and health (75). Graduates of this program will be able to continue studies for the *Magister* and *Doktor*.

Occupational Therapy (*Delovna terapija*):

The program leading to the credential of *Višji delovni terapevt* (Occupational therapist), offered only at the University of Ljubljana, was formerly a two-year program. It was expanded to three years in 1993, with the first graduates of the extended program expected in June 1995. The two-year curriculum with the number of hours in parentheses follows:

Year 1: Anatomy, physiology and pathology (120), philosophy and ethics (30), functional anatomy-kinesiology (70), method of diagnosis (160), physics and biomechanics (50), neurology (60), surgical medicine (50), occupational therapy activity (115), occupational therapy (50), foreign language (45), and physical education (60).

Year 2: Psychology (50), sociology (50), health education-special pedagogy (40), social medicine, hygiene and statistics (95), internal medicine, gerontology, rheumatology (50), pediatrics (40), field of surgical medicine (60), psychiatry (70), physiatrics (30), occupational therapy activity (135), occupational therapy (170), and practical training (84).

The expanded program adds in the third year psychiatry (40), occupational therapy (245), marital health (30), and health protection in exceptional circumstances (30). The second half of the third year is devoted to preparation of the diploma thesis work.

Physiotherapy (*Fizioterapija*):

The program leading to the credential of *Višji fizioterapevt* (Physical therapist), offered only at the University of Ljubljana, was formerly a two-year program. It was expanded to three years in 1993, with the first graduates of the extended program expected in June 1995. The two-year curriculum with number of hours in parentheses follows:

Year 1: Philosophy and ethics (30), sociology (50), anatomy and pathology (75), kinesiology (170), basic physiotherapy and appliances (45), physiology (90), physical therapy (106), kinesiotherapy methods (75), orthopedics (100), and physical education (60).

Year 2: Kinesiotherapy methods (95), traumatology with first aid (130), surgery (70), neurology (125), internal diseases and gerontology (140), physiotherapy and basic health protection (75), medical rehabilitation (125), foreign language (45), physical education (60), and practical training (84).

The third year added in the fall semester pediatrics (90), gynecology and obstetrics (40), physiotherapy and basic health protection - organization of workers in health (30), social medicine, statistics in hygiene (95), medical psychology (30), health protection in emergency circumstances (20), and marital health (30). The final semester is devoted to the preparation of the diploma thesis.

Radiology (*Radiologija*):

Training in the field of radiology is provided in a two-and-a-half year program leading to the credential of *Inženir radiologije* (Radiologist). First year studies (number of hours in parentheses) are as follows: anatomy, physiology, pathology (120); philosophy and ethics (30); methods of radiological photography (110); radiology technology (110); foreign language (45); clinical course in firstaid (40), sociological medicine and statistics in health (70); radiology examination methods (70); physics with mathematics and computer science (135); and physical education (60). Second year studies are: methods of radiological photography (80), clinical course in first-aid (70), radiology examination methods (110), methods of nursing care education (20), radiological anatomy and pathology (100), sociology (50), radiophysics and pre-illness protection (140), radiobiology and radiotherapy (140), medical psychology (40), hygiene and epidemiology (30), practical training (72). The fifth semester includes radiological examination methods (160), methods of nursing care education (30), radiophysics and pre-illness protection (30), radiobiology and radiotherapy (14), nuclear medicine (70), health education in emergency situations (20), health legislation and organization of health (45), and radiological pathology (50).

Sanitary Engineering (*Sanitarno delo*):

A five-semester program leads to the title of *Sanitarni inženir* (Sanitary engineer). First-year studies (hours are in parentheses) are composed of philosophy and ethics (30), sanitation in ecological legislation (75), anatomy and physiology (90), chemistry and technology (195), technical

physics and mathematics (90), microbiology and parasitology (90), social medicine and statistics in health (75), sociology (60), social psychology (30), physical education (60), practical training (84). The second year consists of hygiene in civil technology (75), health education (60), hygiene work (75), epidemiology (90), general and community hygiene (115), sanitary inspection and administration (85), residence and working environment (130), methods of sanitary hygiene control (90), foreign language (45). The fifth semester consists of general and community hygiene (75); sanitary control and administration (50); residence and working environment (30), methods of sanitary control (70); sanitary engineering, urbanization and projections (75); health education in emergency situations (75).

In the 1994-95 academic year, a sixth semester and a full fourth year were added, making it possible for a student to continue sanitary engineering studies to the *Diplomirani sanitarni inženir* (Graduate in sanitary engineering) credential. The sixth semester studies are sanitary microbiology and virology (90), epidemiology (90), biochemistry (75), and information science and computer science (75). The fourth year studies are urbanization and projections (75), hygiene in the human environment (75), permanent hygiene and community quality (120), research work in epidemiological environment (75), energy and environment (75), drinking water and its pollution (125), air and pollution (75), industrial hygiene and treatment of waster (130), and sanitation and ecological law (45).

Music (*Glasba*)

There are specialized primary and secondary music schools for musically talented children. Table 4.5 in Chapter 4 provides the secondary school curriculum for music students.

Tertiary level training is offered by the Akademija za Glasbo (Academy of Music), Stari trg 34, 61000 Ljubljana. Tel. 386-61-221 842, Fax: 386-61-221 853.

The Academy offers four-year programs leading to the *Akademski glasbenik* (Academy Musician) (see Document 5.3) and *Profesor glasbe* (Teacher of Music). Specialization in church music, conducting, composition and music theory, voice, and most instruments is provided. Students who wish to qualify as teachers of music complete four special courses: pedagogy and methodology (4 hours), general music didactics (1 hour), special music didactics (6 hours), and psychology (4 hours), in addition to the full program in their chosen specialization.

Teacher Training

Teacher training in the mid-19th century was at the secondary level. In the 1960s two-year tertiary teaching training institutions were introduced. Since 1987 all teachers, except preschool teachers, have been educated in four-and-a-half-year tertiary programs.

Preschool Teacher Training: Preschool teacher training is offered until 1997 at both the secondary and the tertiary level. At the secondary level teacher training is a four-year (Level V difficulty) program (see Table 6.10 for course of study). This program is being phased out; however, graduates of these secondary programs can continue to teach until 1997 and also have opportunities to upgrade their training.

Tertiary level preschool teacher training is a two-year program, leading to the *Vzgojitelj predšolskih otrok* (Preschool teacher) diploma (see Table 6.11 for sample curriculum). The *Spričevalo o zaključnem izpitu* (Certificate of final examinations) or the *Maturiteno spričevalo* (Maturity examinations certificate) is required for admission. Completion of the two-year program is considered to satisfy the *Matura* requirements and graduates will be eligible to enter other university programs on the basis of the preschool

teacher diploma. They will not receive any transfer credit for their teacher training studies.

Primary School Teacher Training: Primary school teachers for grades 1 to 4 (*Profesor razrednega pouka*) are trained in the faculties of education of the University of Ljubljana and the University of Maribor. The studies require four years and the students have up to one year to complete the diploma thesis. The program includes from three weeks (at Maribor) to ten weeks (at Ljubljana) of classroom observation and practice teaching in a school. (See sample curriculum in Table 6.12.) Teachers for grades 5 to 8 are also trained in the two faculties in four-year programs, and normally have two majors, except in the fields of art and music, and receive a *Profesor...*(field) (Teacher...) degree in a specific field or fields. For all teachers, a state professional examination (*Strokovni izpit*) is required within two years after the teacher's first employment.

Secondary School Teacher Training: All secondary school teachers, in principle, must have a *Diplomirani* or a *Profesor* credential. They are educated in the faculties of education of the Universities of Ljubljana and Maribor, as well as other faculties and follow four-year programs, leading to the diploma of *Profesor....* (field), (Teacher of... field) or *Diplomirani ...(field)* (Graduate in...(field) (see Document 6.1). Students in the faculties of education study specific curricular subjects, either with one major or with two majors, together with pedagogical and psychological subjects. Students who followed a university degree program leading to a *Diplomirani* and wish to teach at the secondary school level must take special courses to cover the required coursework in pedagogy and psychology and a special examination leading to teaching certification (but not a new qualification). Holders of a *Diplomirani*, who do not take the special pedagogical trainng, may teach only in mathematics or natural sciences, not in the humanities or social sciences.

Tertiary Level Teacher Training: Tertiary-level teachers are required to hold a *Magister* degree. As of 1995, there are no specific required pedagogical courses.

Vocational Subject Teacher Training: Teachers of vocational subjects receive their pedagogical training after having completed their basic studies in the vocational field through inservice courses in fields of education, psychology, and teaching methods. This training must be completed within three years of employment in secondary schools. The training is provided through the Pedagogical Training Center of the Faculty of Arts of the University of Ljubljana. and at the faculties of education of both universities. The University of Maribor also provides a two-year program leading to the credential of *Učitelj tehnične in proizvodno-tehnične vzgoje* (Teacher of technical education).

Special Education Teacher Training: Special education teacher training is provided at the University of Ljubljana in a four-year program leading to the credential of *Profesor defektologije* (Teacher of special education).

Physical Education Teacher Training: Physical education teachers must have a *Profesor športne vzgoje z navedbo izbrane smeri* (Teacher of physical education and related specializations) credential, awarded upon completion of a four-year program offered at the University of Ljubljana.

Inservice Teacher Training: Inservice teacher training for first-year teachers in the primary and secondary schools attend a 5-day training course. After a year of service, they take a vocational ability examination. There are approximately 500 programs, ranging from 24 hours to 300 hours, for experienced teachers, but these are not compulsory. Completion of these studies leads to a salary increase. The fees charged for these course are in most cases paid either by the Ministry of Education and Sport or by the school in which the teacher is employed.

Adult Education

A number of adult education courses are available. Courses are offered in different kinds of Open or Free Universities (Ljudska Univerza/ People's University, formerly called Delavska Univerza/Workers' University), or Andragoški-centri (Adult Education Center). There is also the Third Age University (Univerza za tretje življensko obdobje) which was founded in 1984 by the Slovene Society of Teachers and the Faculty of Arts of the University of Ljubljana to provide educational opportunities for the retired. Opportunities for adult education are offered also by banks, computer firms, and railways. Some courses provide training and retraining. Others cover a wide range of general subjects, including areas of personal development, leisure, and general education.

Table 6.1. Two-Year Secondary *Kmetijski delavec* (Agricultural worker) Program

SUBJECTS Year	1	2	
General Studies Compulsory Subjects	**Hours per week**	**Hours per week**	**Total Hours for Program**
Slovenian language and literature	3	2	175
Mathematics	3		105
Science	2	-	70
Social studies	-	3	105
Physical education	3	2	175
Art	1	-	35
Required selective activities/courses/subjects°	See footnote°		128
Total General Studies Subjects	12	7	793
Vocational Studies			
a-Vocational theoretical subjects			
Agricultural production and care	8	8	560
Basic forestry	-	1	35
b-Optional vocational subjects	-	4	140
Total Vocational studies	8	13	735
c-Practical training	12	12	840
Total Vocational Study	20	25	1575
Total Hours of Study	32	32	2368

°Required selective activities-courses-subjects are required for 96 hours per year (3 weeks per year) in the first year and 32 hours (one week) in the second. The activities are agreed on by contract and carried out in unscheduled class time. Hours are included in the total hours for program.

Table 6.2. Four-Year Secondary *Kmetijski tehnik* (Agricultural technician) Program

Subjects / Year:	1	2	3	4	
	Hours per Week				Total Hours for Program
			M/FE*	M/FE*	
General Studies Compulsory subjects					
Slovenian language and literature	4	4	4/3	4/3	560/490
Mathematics	4	4	4/3	4/3	560/490
Foreign language	3	3	3/3	3/3	420/420
Computer science and information science	2	-	-	-	70
Biology and ecology	2	2	2	2/0	280/210
Physical education	2	2	2	2	280
Art		2	-	-	70
Geography	2	-	-	-	70
Economics, psychology, sociology	-	-	2	-	70
Chemistry	2	2	2	2/0	280/210
Physics	2	2	-	-	140
History	2	2	-	-	140
Required selective activites/courses/subjects°	See footnote°				320
Total for general studies	**25**	**23**	**19/17**	**17/11**	**3260/2980**
Technical Studies					
a-Technical theoretical subjects					
Agricultural machinery	2	2	2	-	210
Agricultural labor	2	3	2	2	3315
Fruit production and wine cultivation	-	-	3	5	280
Cattle breeding	-	2	3	3	280
b-Optional-compulsory subjects				2/5	70/175
c-Practical training	3	3	4/6	3/6	455/630
Total for technical studies	**7**	**10**	**14/16**	**15/21**	**1610/1890**
Total hours per week	**32**	**33**	**33/33**	**32/32**	**4870**

°Required selective activities-courses-subjects are required for 96 hours per year (3 weeks per year) in the first year and 32 hours (one week) in the second. The activities are agreed on by contract and carried out in unscheduled class time. Hours are included in the total hours for program.

*M/FE = M: number of hours per subject for students planning to take *Matura* examinations
FE: number of hours per subject for students planning to take Secondary School Final Examinations

Table 6.3. Five-Semester Tertiary *Inženir kmetijstva smer agronomija* (Agriculturist, agronomy specialization) Professional Program College of Agriculture, University of Maribor, 1993-1994

	Hours per Semester		Total Hours per Year
	Semester 1	Semester 2	
Year 1			
Mathematics	60	-	60
Chemistry	90	-	90
Biology	75	45	120
Soil science	60	-	60
Basic mechanical techniques	30	60	90
Plant Physiology	-	60	60
Introduction to crop husbandry	-	75	75
Raising of livestock	-	75	75
Maintenance of agricultural property	-	60	60
English	30	30	60
German	30	30	60
Physical education	30	30	60
Total Hours	**405**	**465**	**870**
Year 2			
Selected chapters in ecology	45	-	45
Mechanization of field crop production	60	-	60
Field crop production	105	45	150
Grassland management and forage (fodder) production	60	60	120
Plant protection (agriculture)	45	45	90
Organization and economics of agricultural production	-	60	60
Computer science	-	60	60
English	30	30	60
German	30	30	60
Fieldwork	-	45	45
Total Hours	**375**	**375**	**750**
Year 3			
Plant protection (agriculture)	45	-	45
Organization and agricultural economic production	60	-	60
Use of agricultural machinery	60	-	60
Vegetable growing	45	-	45
Commercial seed production	45	-	45
Fieldwork	75	-	75
Practicum and Diploma Work	60	-	60
Total Hours	**390**		**390**

Table 6.4. Four-Year Tertiary *Diplomirani inženir kmetijstva smer agronomija* (Graduate Agriculturist, agronomy line) Program Biotechnical Faculty, University of Ljubljana, 1993–94

	Hours per Semester		Total Hours per Year
Year 1	**Semester 1**	**Semester 2**	
Mathematics	60	60	120
Chemistry	60	60	120
Botany	60	60	120
Soil science and introduction to geology	75	75	150
Agrometeorology and introduction to physics of environment	45	45	90
Physiology and anatomy of domestic animals	-	60	60
Agrarian economy	60	-	60
Information science	30	-	30
Physical education	30	30	60
Total hours	**420**	**390**	**810**
Year 2			
Statistics and computer science	135	-	135
Biochemistry	75	-	75
Microbiology	-	75	75
Cattle breeding	-	135	135
Plant physiology	-	90	90
Genetics	75	-	75
Machinery	60	60	120
Rural sociology	45	-	45
Physical education	30	30	60
Total hours	**420**	**390**	**810**
Year 3			
Phytopathology and phytopharmacy	-	120	120
Entomology	105	-	105
Soil improvement and maintenance	120	-	120
Fertilization and soil fertility	60	-	60
General agriculture	45	75	120

General fruit culture	45	45	90
Viniculture	-	60	60
Horticulture	-	75	75
Physical education	30	30	60
Total hours	**405**	**405**	**810**
Year 4			
Methods of agricultural advancement	45	-	45
Economics of agricultural production	75	-	75
Introduction to documentation	-	30	30
Market	-	45	45
Mechanization of field crop production	90	-	90
Vegetable quality improvement	45	60	105
Genetics of agricultural plants	-	30	30
Improvement and land (drainage) and irrigation	30	60	90
Soil protection and soil use	30	-	30
Maintenance of agricultural area	-	30	30
Agrometeorology	-	30	30
Total hours	**315**	**285**	**600**

Table 6.5. Five-Semester Tertiary *Inženir* (Engineer) Professional Program
Power Electrical Engineering Studies
University of Maribor, 1993-1994

	Number of Hours per Semester				Total Hours
	Semester 1		Semester 2		
Year 1	**Lect.**	**Lab.**	**Lect.**	**Lab.**	
Mathematics I, II	60	45	60	45	210
Physics I, II	60	45	60	30	195
Fundamentals of electricity I, II	60	45	60	60	225
Data processing I, II	30	30	30	30	120
Total hours	**210**	**165**	**210**	**165**	**750**
Year 2					
Measurement	45	45		-	90
Electric machines	60	45		-	105
Power electronics	45	45		-	90
Power networks	45	45		-	90
Materials and technologies	30	30		-	60
German	45			-	45
English	45			-	45
Control systems		-	45	45	90
Electric drives and control systems		-	45	30	75
Distribution networks and lighting		-	30	30	60
Design of electromagnetic devices		-	45	45	90
Physical education		30		30	60
Total hours	**315**	**240**	**165**	**180**	**900**
Year 3					
Electric equipment	45	30		-	75
Power generation	45	30		-	75
Industrial automation	45	45		-	90
Power application	30	30		-	60
Power system protection	30	15		-	45
Technical legislation, security	30			-	30
Economics	45			-	45
			Diploma Work		
Total hours	**270**	**150**			**420**

Lect. is number of hours spent in lectures per week; **Lab.** is number of hours spent in laboratory practical exercises.

The first-year program is the same as for the *Diplomirani* program in Table 6.6. Mathematics I includes propositional calculus, differential calculus, indefinite and definite integrals, and numerical aspects.

Table 6.6. Four-and-a-half Year Tertiary *Diplomirani inženir* (Graduate in Engineering) Program, Electrical Engineering Specialization
University of Maribor, 1993–1994

	Number of Hours per Semester				Total Hours per Year
	Semester 1		Semester 2		
Year 1 (Same as 5-semester *Inženir* program; see Table 6.5)	Lect. 210	Lab. 165	Lect. 210	Lab. 165	750
Year 2					
Mathematics III, IV	60	30	60	45	195
Measurements	60	60		-	120
Electromagnetic converter	45	45		-	90
Materials in electrical engineering	45	30		-	75
Basis of electricity		-	45	45	90
Digital techniques		-	45	30	75
Signal processing		-	60	45	105
Physical education		30		30	60
Total hours	**210**	**195**	**210**	**195**	**810**
Year 3					
Electrical machines modelling	45	45		-	90
Transmission devices	45	30		-	75
Digital controls	45	30		-	75
Mechanical systems	45	30		-	75
Testing of electrical machines, practical training	15	45		-	60
Energy electronics	45	45		-	90
German	45			-	45
English	45			-	45
Electromagnetics		-	45	30	75
Control systems		-	45	45	90
Power electronics		-	45	30	75
Electric drives I		-	45	30	75
Information electronics		-	30	30	60
Physical education		30		30	60
Total hours	**330**	**255**	**210**	**195**	**990**

Year 4					
High-voltage engineering	45	45		-	90
Power converters	45	45		-	90
Transformer and transformer systems	60	45		-	105
Electrical machines	45	45		-	90
Economics	45				45
Organization methods		-	45	45	90
Electric drives II		-	45	45	90
Power systems		-	60	45	105
Electric power plants		-	45	45	90
Physical education		30		30	60
Total hours	**240**	**210**	**195**	**210**	**855**
Year 5					
Power system protection	45	45		-	90
Power system control	45	45		-	90
Computer-aided design	45	60		-	105
Power engineering	45	45		-	90
Ecology	45			-	45
Diploma work		-		-	-
Total hours	**225**	**195**			**420**

Lect. is the number of lecture hours per semester. **Lab.** is the number of practical exercises (laboratory work) per semester.

Table 6.7. Four-Year Tertiary *Akademski slikar* (Academy painter) Program
Academy of Fine Arts, University of Ljubljana

	Number of Hours per Week				Total Hours per Year
Year 1	Semester 1		Semester 2		
	Lect.	Lab.	Lect.	Lab.	
Drawing and painting	7	4	7	4	330
Small nude studies	2	2	2	2	120
Graphics	2	2	2	2	120
Art anatomy	1	1	1	1	60
Spatial design	2		2		60
Art history	4		4		120
Theory of arts	1		1		30
Painting technology	3			3	90
English language	2			-	30
Physical education		2		2	60
Total Hours per Week	24	11	19	14	1020
Year 2					
Drawing and painting	7	4	7	4	330
Small nude studies	2	2	2	2	120
Graphics	2	2	2	2	120
Art anatomy	1	1	1	1	60
Spatial design	2		2		60
Art history	4		4		120
Art theory	1		1		30
Painting technology	3		3		90
Physical education		2		2	60
Total Hours per Week	22	11	22	11	990
Year 3					
Drawing and painting	7	4	7	4	330
Small nude studies	2	2	2	2	120
Project modelling	3		3		90
Graphics	2	2	2	2	120
Theory of modernism	2	2	2	2	120
Art theory	1	1	1	1	60
Video	1	1	1	1	60
Painting technology	1			2	60
Introduction to philosophy			2		30
Total Hours per Week	19	12	20	14	990

Year 4					
Drawing and painting	7	4	7	4	330
Small nude studies	2	2	2	2	120
Project modelling	3		3		90
Graphics	2	2	2	2	120
Theory of modernism	2	2	2	2	120
Art theory	1	1	1	1	60
Video	1	1	1	1	60
Cultural sociology			2		30
Total Hours per Week	**18**	**12**	**20**	**12**	**930**

Lect. is number of lecture hours; **Lab.** is number of practical exercises (studio hours).

Table 6.8. Five-Year Tertiary *Doktor veterinarske medicine* (Doctor of Veterinary Medicine) Program, Veterinary Faculty, University of Ljubljana, 1993-1994

Subjects	Theory lessons (hours)	Practical lessons/ Laboratory (hours)	Total Hours per Year
Year 1			
Biostatistics and information science	15	15	30
Biophysics	30	30	60
Physiological chemistry	150	90	240
Cellular biology	33	15	48
Anatomy of domestic animals	90	180	270
Histology and embryology	60	60	120
Fodder (forage), poisonous and medicinal plants	15	15	30
English language	45	-	45
Genetics	42	-	42
Veterinary medicine terminology	30	-	30
Physical education	-	60	60
Total Hours per Year	**510**	**465**	**975**
Year 2			
Anatomy of domestic animals	15	30	45
Histology and embryology	15	15	30
Physiology of domestic animals	120	90	210
Parasitology	60	30	90
Microbiology and immunology	120	75	195
Feeding of domestic animals	60	30	90
Anatomical pathology and histolopathology	75	30	105
Genetics	45	-	45
Raising of livestock	30	15	45
German language	45	-	45
Physical education	-	60	60
Total Hours per Year	**585**	**375**	**960**
Year 3			
Raising of livestock	30	15	45
Anatomical pathology and histolopathology	45	60	105
Pathological physiology	100	15	115

Pharmacology and toxicology	75	60	135
Clinical diagnosis	60	30	90
Surgery and opthamology	60	60	120
Basic roentgenology and physical therapy	15	30	45
Reproduction and obstetrics in domestic animals	85	45	130
Disease and hygiene in fish farming (fish culture) and apiculture	15	15	30
Veterinary economics	30	-	30
Epizootiology	30	-	30
Radiation (nuclear) hygiene	15	10	25
Total Hours per Year	**560**	**340**	**900**
Year 4			
Basic hygiene of foodstuff	40	-	40
Disease and hygiene cultivation in fishing industry and apiculture	15	15	30
Hygiene and inspection of meat, fish and other products	105	15	120
Reproduction and obstetrics in domestic animals	30	45	75
Disease and health protection in poultry	75	45	120
Disease and health protection in pigs	85	60	145
Disease and health protection in hoofed animals	70	60	130
Disease and health protection in ruminants	60	60	120
Disease and health protection in carnivores	30	30	60
Ambulatory clinic	-	60	60
One month professional practice, after the eighth semester	-	-	-
Total Hours	**510**	**390**	**900**
Year 5			
Disease and health protection in ruminants	45	30	75
Disease and health protection in carnivores	30	25	55
Hygiene and inspection of meat, fish and other products	35	45	80
Hygiene and inspection of milk and dairies, and vegetable food	-	75	75
Hygiene of animals and ecology	120	45	165

Hygiene and nutrition pathology	-	95	95
Disease and health protection in small animals	-	25	25
Disease and health protection in breeding game	-	45	45
Hygiene in food production plants	-	30	30
Administration and juridical aspects of veterinary medicine	60	75	135
Ambulatory clinic (afternoon and evening)	30	30	60
One-month professional practice after tenth semester			
Total Hours per Year	**320**	**520**	**840**

In addition to the above courses, students are required to enroll in at least 60 hours of optional subjects, chosen from the following list: microbiology practicum, clinical laboratory practicum, surgery practicum, pathomorphology practicum, fishing and apiculture practicum, tropical veterinary parasitology, ethology and public health protection, kineology, horse breeding, breeding conditions and public health protection, historical veterinary medicine and veterinary ethics, practicum in reproduction of domestic animals, computer science, sociology, dentistry, practicum in sanitary protection in carnivores, organizational health systems and control of production.

Table 6.9. Five-Year Tertiary *Diplomirani inženir farmacije* (Graduate in Pharmacy) Program
Department of Pharmacy, University of Ljubljana, 1993-1994

Subjects	Theory lessons (hours)	Practical lessons/ Laboratory (hours)	Total Hours
Year 1.			
Mathematics	60	45	105
Physics	75	45	120
Inorganic chemistry	105	75	180
Analytic chemistry	60	105	165
Anatomy	30	15	45
Cell biology	30	15	45
Pharmaceutical chemistry I (Inorganic drugs)	60	-	60
Total Hours	**420**	**300**	**720**
Year 2			
Organic chemistry	105	75	180
Physical chemistry	45	30	75
Physiology	45	30	75
Physical pharmacy	45	15	60
Pharmaceutical chemistry II (Organic drugs)	60	45	105
Pharmaceutical technology I	120	165	285
Total Hours	**420**	**360**	**780**
Year 3			
Pharmaceutical chemistry III (structure and activity of drugs)	120	180	300
Pharmaceutical technology II	75	45	120
Instrumental pharmaceutical analysis	45	60	105
Biochemistry	60	30	90
Pathophysiology	75	-	75
Microbiology	30	30	60
Total Hours	**405**	**345**	**750**
Year 4			
Pharmaceutical chemistry (design and synthesis of drugs)	45	30	75
Biopharmacy and pharmacokinetics	90	30	120
Industrial pharmacy	60	30	90
Pharmacology	60	30	90
Pharmacognosy	90	120	210
Clinical chemistry	30	30	60
Pharmaceutical information science	75	30	105
Total Hours	**450**	**300**	**750**

Year 5. (fall semester)			
Pharmaceutical analysis and drug control	60	75	135
Stability of drugs	45	30	75
Clinical chemistry	30	15	45
Optional subject I	45	15	60
Optional subject II	45	15	60
Total Hours	**225**	**150**	**375**
Year 5 (spring semester)			
Thesis–theoretically and experimentally developed thesis; defended before Examination Board			

Optional subjects: Toxicologic chemistry, social pharmacy, cosmetology, clinical pharmacy, clinical biochemistry, synthesis and biosynthesis of euthmeric drugs, organic reactions, phytotherapeutic drugs, pharmaceutical marketing and management, and pharmacy administration.

Table 6.10. Four-Year Secondary *Predšolska vzgoja* (Preschool teacher training) Program

	Hours per Week				Total hours for Program
Subjects **Year**		2	3	4 M/FE*	
General Studies Compulsory Subjects					
Slovenian language and literature	4	4	4/3	4/3	560/490
Mathematics	4	4	4/3	4/3	560/490
Foreign language I	3	3	3	3	420
Computer science and information science	2	-	-	-	70
History	2	2	2		210
Physical education	2	2	2	2	280
Biology and ecology	2	2	2	2	280
Geography	2	2	2	-	210
Psychology	-	-	2	2	140
Chemistry	2	2	-	-	140
Physics	2	2	-	-	140
Required activities/courses/subjects°	See footnote				320
Total Hours per Week for General Studies	**25**	**23**	**21/19**	**17/15**	**3330/3190**
Professional Studies					
a-Professional theoretical subjects					
Music education and instruments	2	2	2	2	280
Art education	2	3	2	3	350
Dance education	2	1	1	1	175
Hygiene and housekeeping	-	-	3	-	105
Pedagogy	-	-	2	2	140
b-Optional-compulsory subjects	1	3	1/3	7/9	420/560
c-Practical training	-	-	-	-	-
Total Hours per Week for Professional Studies	**7**	**9**	**11/13**	**15/17**	**1470/1610**
Total Study Hours (per Week)	**32**	**32**	**32**	**32**	**4800**

°Required selective activities-courses-subjects are required for 96 hours per year (3 weeks per year) in the first year and 32 hours (one week) in the second. The activities are agreed on by contract and carried out in unscheduled class time. Hours are included in the total hours for program.

*M/FE = M: number of hours per subject for students planning to take *Matura* examinations
FE: number of hours per subject for students planning to take Secondary School Final Examinations

Table 6.11. Two-Year Tertiary *Vzgojitelj predšolskih otrok* (Educator of preschool children, i.e., Preschool teacher training) Program Faculty of Pedagogy, University of Maribor, 1993–1994

	Semester 1	Semester 2	
Year 1	**Hours Per Week**	**Hours Per Week**	**Total Hours per Year**
Modern philosophy	60	-	60
Foreign language	-	45	45
Slovenian language	60	-	60
Juvenile literature	-	60	60
Theory of education	60	-	60
Preschool pedagogy and special pedagogy	105	30	135
Didactics and educational technology	50	25	75
Developmental psychology	60	60	120
Elementary pedagogical methods and statistics	-	60	60
Preschool children motor skills	60	-	60
Didactics of language education	-	30	30
Didactics of physical education	-	40	40
Didactics of music education and music practicum	15	45	60
Physical education	30	30	60
Total Hours	**500**	**425**	**925**
Year 2			
Preschool pedagogy and special pedagogy	-	30	30
Sociology	-	60	60
Biology	-	30	30
Chemistry	-	30	30
Physics	-	30	30
Pedagogical psychology	45	15	60
Health education for the preschool child	-	60	60
Didactics of language education	60	-	60
Didactics of educational environment	90	-	90
Didactics of physical education	20	-	20
Skiing	-	20	20
Swimming	20	-	20

Didactics of art education	90	-	90
Didactics of music education and music practicum	75	15	90
Didactics of painting education	60	-	60
Practicum techniques	-	30	30
Puppetry	-	20	20
Drama	-	20	20
Film culture	-	20	20
Physical education	30	30	60
Total Hours	**490**	**410**	**900**

At the end of the second year there are three required general examinations in preschool pedagogy and special pedagogy, child psychology, and on six subject texts.

Table 6.12. Four-Year Tertiary *Profesor razrednega pouka* (Classroom Teacher, Grades 1 to 4) Program, 1993-1994 Faculty of Pedagogy, University of Maribor

	Semester 1	Semester 2	
	Hours per Week	Hours per Week	Total Hours per Year
Year 1			
Physics	60	-	60
Biology	60	15	75
Chemistry	60	-	60
Educational technology	45	-	45
Basic computer science	-	45	45
Literature	60	60	120
Child psychology	60	60	120
Slovenian language I	45	30	75
Sociology	30	30	60
Second foreign language	30	30	60
Vocal-instrumental class I	15	15	30
Physical education	30	30	60
Total Hours	**495**	**315**	**810**
Year 2			
Didactics	60	60	120
Geography	60	-	60
History	-	60	60
Pedagogy	75	-	75
Psychological pedagogy	60	60	120
Slovenian language II	30	30	60
Philosophy	45	45	90
Special pedagogy	-	60	60
Vocal-instrument class II	15	15	30
Physical education	30	30	60
Total Hours	**375**	**360**	**735**
Year 3			
Pedagogical methodology and basic statistics	-	90	90
Slovenian language III	45	15	60
Didactics of music education i	-	75	75
Didactics of mathematics I	30	45	75
Didactics of nature and society and of traffic education	30	45	75

Didactics of art education I	75	-	75
Didactics of physical education and selected subjects in sport culture I	75	30	105
Swimming, activities in nature	-	45	45
Vocal-instrument class III	15	15	30
Physical education	30	30	60
Total Hours	**300**	**390**	**690**
Year 4			
Slovenian language	45	-	45
Didactics of art education II	60	30	90
Didactics of mathematics II	45	30	75
Didactics of Slovenian language II	30	60	90
Didactics of nature and society study, nature study, and social awareness	45	30	75
Didactics of music education II	-	75	75
Didactics of physical education	-	75	75
Didactics of physical education and selected subjects in sport culture II	75	-	75
Skiing, winter activites in nature	45	-	45
Diploma seminar	30	-	30
Optional subject I	-	45	45
Optional subject II	-	45	45
Physical education	30	30	60
Total Hours	**405**	**420**	**825**

Optional subjects: selected subjects in technical education, art education, music education, sport education, film and drama education, painting education, foreign language, or computer science.

Chapter 7- Advice to Admissions Officers

Slovenian Language

Slovenian is a Slavic language and has six declensions. The same word root, has variable endings depending on how the word is used or on what the word is modifying. For example, in the primary and secondary school grading scales, *odlično* and *odličnim* both mean excellent.

Institutional Catalogues

Catalogues are produced primarily by the institutions to obtain annual funding from the Ministry of Education and Sport, although they are fully available to the public. The catalogues list only courses being taught in the current year. Therefore, newly extended programs will not list the extra year until it is taught, e.g., the 1993-94 catalogues do not list the sixth year of medical studies, although that increase in length of study had been approved.

Credential Clues

Secondary Level: If the title *Tehnik* with vocation, e.g., *Rudarski tehnik* (Mining technician) appears on the leaving certificate, then it is a four-year secondary program. If only the name of the vocation appears, e.g., *Rudar* (Miner), it is from a program of fewer than four years. The *diferencialni* programs represent a total of five years of study but are considered only equal to the four-year study programs, because the extra two years provide the studies not given in the vocationally oriented three-year programs. Graduates of these programs will have two leaving certificates (*Spričevalo o zaključnem izpitu*), one for the 3-year vocational part, giving the name of the vocation, and one for the two-year additional study, giving the name of the vocation at an advanced level, and including the term *tehnik*.

University (Tertiary) Level: If the credential is a *Diplomirani, Profesor,* or *Akademski,* each with field, it is a four- to five-year first degree. If only the name of the profession appears, e.g., *Ekonomist,* then it is a two- to three-year program. At the graduate level, the credential of *Specialist* indicates intensive additional study in a specialized field. Transfer credit into a *Magister* program is not given in Slovenia, but the work accomplished is definitely at the advanced level and could be applicable to a graduate program in another country if the work completed was appropriate to the new studies.

All the four-year secondary programs (both the technical and the gymnasium studies) qualify a student for admission to tertiary level studies in Slovenia, providing the specific requirements of the proposed field of study are met. Two- and three-year tertiary programs are considered in Slovenia as undergraduate vocational-professional programs. Completion of four- to five-year tertiary programs qualify for admission to graduate studies in Slovenia. Holders of a *Magister* are admissible for doctoral study. The degrees in medicine, dentistry, veterinary medicine and pharmacy are the first professional degrees in the field. These programs are all entered directly from 4-year secondary programs with completion of specific prerequisites.

In all vocations and professions, including those for which preparation is at the secondary level, individuals must take a professional examination set by the appropriate ministry after completing a trial period of employment. On satisfactory completion, a *Potrdilo o opravljenem strokovnem izpitu* (Attestation of passing the professional examination), referred to as *Strokovni Izpit,* is issued by the ministry which gave the examination. (See Document 7.1.) This does not indicate completion of any additional coursework beyond the original credential.

Advice to Admissions Officers

Tests Available

As of the end of 1994, the Test of English as a Foreign Language (TOEFL) is given in Slovenia, but the Graduate Record Examination (GRE), Graduate Management Admissions Test (GMAT), and the Scholastic Aptitude Test (SAT) are not. Students have to arrange to take these tests in a neighboring country, e.g., Austria, Italy or Hungary.

Principal Credentials

(See Appendix C for a complete list of tertiary credentials.) Students have originals of all their credentials. Records from institutions are easily obtainable and can, in most cases, be issued in English as well on request to the institution.

Primary School: 1. *Spričevalo o končani osnovni šoli* (Certificate of completion of compulsory school).
2. *Potrdilo o izpolnjenem obveznem šolanju* (Attestation of completion of compulsory study period, i.e., reached age 15 but only passed work through grades 6 or 7.)

Secondary School:
1. *Letno spričevalo* (Yearly grade report).
2. *Spričevalo o zaključnem izpitu* (Certificate of final examinations).
3. *Maturitetno spričevalo* (Maturity examinations certificate).

Tertiary:
Undergraduate:
1. Title, e.g., *Inženir, Ekonomist, Organizator, Višji...*(field), 2-3 year undergraduate program
2. *Diplomirani* (Graduate in...), 4-5 year programs.
3. *Profesor* (Teacher in...), 4-year programs that qualify teachers of secondary school
4. *Akademski* (Academy....), 4-year programs in music, arts

Graduate:
1. *Specialist* (Specialist), 1-2 year, occasionally longer, beyond any tertiary credential
2. *Magister* (Master), 2 years beyond *Diplomirani* or *Profesor*
3. *Doktor znanosti* (Doctor of Science), 4 years beyond the *Magister* (can be entered without *Magister*)

Professional:
1. *Doktor medicine* (Doctor of medicine), 6 years (formerly 5).
2. *Doktor stomatologije* (Doctor of dentistry), 6 years (formerly 5).
3. *Doktor veterinarske medicine* (Doctor of veterinary medicine), 5 years (formerly 4).

Other:
1. *Potrdilo o opravljenem strokovnem izpitu* (Attestation of passing the professional exam), referred to as *Strokovni izpit*, given in all fields after an individual has been employed for a period of time. The exam is set by the appropriate ministry and is required for continued employment.

Appendix A. Useful References

Names and addresses of organziations which deal with the recognition of studies, degrees and diplomas:

Ministry of Education and Sport
Župančičeva 6
61000 Ljubljana
Slovenia
Tel: 386 61 214-860
Fax: 386 61 214-820

University of Ljubljana
Kongresni trg 12
61000 Ljubljana
Slovenia
Tel: 386 61 1254 117
Fax: 386 61 1254 053

University of Maribor
Krekova ulica 2
62000 Maribor
Slovenia
Tel: 386 62 223 611
Fax: 386 62 23 541

Ameriski center (USIS American Center)
Cankarjeva 11
61000 Ljubljana
Slovenia
Tel: 386 61 210 190
Fax: 386 61 1264-284

Useful Publications:

Dickey, Karlene N. and Desmond C. Bevis. 1990. *The Admission and Placement of Students from Yugoslavia.* Washington, D.C. American Association of Collegiate Registrars and Admissions Officers and NAFSA: Association of International Educators.

Požarnik, Barica Marentič, *Slovenia: System of Education* (Manuscript prepared for Th. Husen, N. Postlethwaite, (eds.) 1993. *The International Encyclopedia of Education*, Pergamon Press, Oxford/Barica Marentič-Požamik. - 1.natis.-Ljubljana: Zavod Republike Slovenije za Šolstvo in Šport. ISBN 86-7759-133-8.

Appendix B : Institutional Descriptions

There are two universities. (There is consideration of opening a third university in the coastal area, which would incorporate the existing teacher training college, the University College of Naval and Maritime Transport, and the private professional school for hotel and tourism.) The listing that follows indicates the organizations attached to each University and reflects the changes in structure made as of January 1, 1995.

University of Ljubljana (Univerza v Ljubljani)

- Biotechnical Faculty (Biotehniška fakulteta)
- Faculty of Architecture (Fakulteta za arhitekturo)
- Faculty of Arts (Filozofska fakulteta)
- Faculty of Chemistry and Chemical Technology (Fakulteta za kemijo in kemijsko tehnologijo)
- Faculty of Civil Engineering and Geodesy (Fakulteta za gradbeništvo in geodezijo)
- Faculty of Economics (Ekonomska fakulteta)
- Faculty of Education (Pedagoška fakulteta)
- Faculty of Electrical Engineering and Computer Sciences (Fakulteta za elektrotehniko in računalištvo)
- Faculty of Law (Pravna fakulteta)
- Faculty of Mathematics and Physics (Fakulteta za matematiko in fiziko)
- Faculty of Mechanical Engineering (Fakulteta za strojništvo)
- Faculty of Medicine (Medicinska fakulteta)
- Faculty of Natural Sciences (Naravoslovnotehniška fakulteta)
- Faculty of Pharmacy (Fakulteta za farmacijo)
- Faculty of Social Sciences (Fakulteta za družbene vede)
- Faculty of Sport (Fakulteta za šport)
- Theological Faculty (Teološka fakulteta)
- Veterinary Faculty (Veterinarska fakulteta)

- Academy of Music (Akademija za glasbo)
- Academy of Theater, Radio, Film and Television (Akademija za gledališče, radio, film in televizijo)
- Academy of Fine Arts (Akademija za likovno umetnost)
- University College of Naval and Maritime Transport Piran (Visoka pomorska in prometna šola Piran)
- University College of Social Work (Visoka šola za socialno delo)
- University College of Health Care (Visoka šola za zdravstvo)
- University College of Administration (Visoka upravna šola)

- College of Internal Affairs (Visoka šola za notranje zadeve) (As of January 1995 the College became an independent institution and is no longer affiliated with the University of Ljubljana;).

University of Maribor (Univerza v Mariboru)
School of Business and Economics (Ekonomsko-poslovna fakulteta)
Faculty of Electrical Engineering, Computer Science and Information Technology (Fakulteta za elektrotehniko, računalištvo in informatiko)
Faculty of Civil Engineering (Fakulteta za gradbeništvo)
Faculty of Chemistry and Chemical Technology (Fakulteta za kemijo in kemijsko tehnologijo)
Faculty of Mechanical Engineering (Fakuleta za strojništvo)
School of Organizational Sciences (Fakulteta za organizacijske vede), Kranj
Faculty of Education (Pedagogška fakulteta)
Faculty of Law (Pravna fakulteta)

University College of Agriculture (Visoka kmetijska šola)
University College of Nursing Studies (Visoka zdravstvena šola)

Univerza v Ljubljani (University of Ljubljana)
Kongresni trg 12
61000 Ljubljana
Tel: 386-61-1254 117, 1254 110
Fax: 386 61-1254 053

History: The institution is also known as University Edvard Kardelja of Ljubljana (Univerze "Edvarda Kardelja" v Ljubljani). The university was founded in 1919 with five faculties: Arts, Law, Medicine, Technical, and Theology. Its origins can be traced back to the end of the 16th century when the Jesuits opened an educational institution in Ljubljana. The institution today incorporates 23 institutions of higher education: 18 faculties, 3 academies, 4 university colleges (*visoka šola*). It also includes the National and University Libraries, the Central Technical Library, concentrating on technical and natural sciences; the University Development Center; and the University Computer Center. The institution is self-governing with a University Council and an Academic Council.

Enrollment (1994): 30,529
Academic Staff (1994): 2,235
University Libraries: 3,286,982 (63 libraries in all)
Faculties: 14

(Note: the University of Ljubljana used to award the doctoral title with a particular field indicated: *doktor tehnišhik znanosti, doktor ekonomskih znanosti, doktor medicinskih znanosti* and *doktor zgodovinskih znanosti.* At present they award only the *doktor znanosti* in all fields.)

1. Filozofska fakulteta (Faculty of Philosophy); Aškerčeva 2, 61000 Ljubljana. Tel: 386-61-1250 001; Fax: 386-61-1259 337. Departments of philosophy, sociology, education, psychology, history, art history, geography, slavic studies, romanic studies, Germanic studies, classical philology, comparative literature and literary theory, comparative and general philology and oriental studies, music, library studies, archeology, ethnology and social anthropology.

Credentials awarded:
4-year programs: *Profesor...(field)* (Teacher of... field) in pedagogical track; *Diplomirani...* field) (Graduate in... field) in nonpedagogical track.
Graduate studies: *Specialist, Magister, Doktor znanosti* offered in all fields.

2. Pravna fakulteta (Faculty of Law); Kongresni trg 12, 61000 Ljubljana. Tel: 386-61-1254 055; Fax: 386-61-1254 095. Chairs of constitutional law, legal theory and sociology, economic law,

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administrative law, criminal law, civil law, labor and welfare law, law history, international law.

Credentials awarded:
4-year program: *Diplomirani pravnik* (Graduate in law).
Graduate studies: *Magister, Doktor znanosti.*

3. Ekonomska fakulteta (Faculty of Economics); Kardeljeva ploščad 17, 61000 Ljubljana. Tel: 386-61-1683 333; Fax: 386-61-301 110. Chairs of economic theory and politics, finance, management, business and organization, international economics and marketing, accounting, information science, statistics, mathematics, and operations research.

Credentials awarded:
2-year program: *Ekonomist* (Economist).
4-year program: *Diplomirani ekonomist* (Graduate economist).
Graduate studies: *Magister* degree studies in economics, international economics, business and organization (MBA program), information-administration science and other options. *Specialist* studies in international business, management, and control accounting. *Doktor znanosti, Doktor ekonomskih znanosti* (this latter title recently discontinued).

4. Fakulteta za družbene vede (Social Sciences); Kardeljeva ploščad 5, 61000 Ljubljana. Tel: 386-61-1681 461; Fax 386-61-341 522. Departments of sociology (theoretical sociology, personnel and society management, information science and methodology); political science (theoretical political science, analysis of politics and public administration, international relations, defense studies); communications science (communication theory, journalism, marketing).

Credentials awarded:
4-year programs: *Diplomirani sociolog, politolog, obramboslovec, komunikolog,* or *novinar* (Graduate in sociology, political science, defense studies, communications science, journalism).
Graduate studies: *Magister* programs in sociological studies, communication, political studies, international relations, defense studies, and general management studies; *Doktor znanosti.*

Fakulteta za naravoslovje in tehnologijo (Faculty of Natural Sciences and Technology). This Faculty ceased to exist as of January 1, 1995 and five separate faculties were created: Pharmacy; Mathematics and Physics; Chemistry and Chemistry Technology, Natural Science, Architecture. Information on these faculties is provided.

5. Fakulteta za farmacijo (Faculty of Pharmacy); Aškerčeva 7, 61000 Ljubljana. Tel: 386-61-221 078. Fax: 386-61-224 314.
Programs in pharmaceutical chemistry, pharmaceutical technology, pharmacognosy, clinical biochemistry.

Credentials awarded:
2-year program: *Inženir farmacije* (Pharmacist).
4-year program: *Diplomirani inženir farmacije* (Graduate in pharmacy).
Graduate studies: *Magister* in pharmaceutical science; *Specialist, Doktor znanosti.*

6. *Fakulteta za matematiko in fiziko* (Faculty of Mathematics and Physics); Jadranska 19, 61000 Ljubljana. Tel: 386-61-265 386 61; Fax: 386-61-217 281.
Divisions of mathematics, and mechanics, with a laboratory for materials research and for geotechnics and a workshop; meteorology, astro-geophysical observatory.

Credentials awarded:
2-year programs: *Inženir matematike* (Mathematician); *Inženir fizike* (Physicist).
4-year programs; *Diplomirani inženir matematike* (Graduate in mathematics); *Profesor matematike* (Teacher of mathematics); *Profesor računalništva z matematiko* (Teacher of computer science and mathematics); *Diplomirani inženir fizike* (Graduate in physics); *Profesor fizike* (Teacher of physics); *Diplomirani inženir meteorologije* (Graduate in

meteorology); *Diplomirani astronom* (Graduate in astronomy).
Graduate studies: *Magister, Doktor znanosti.*

7. *Fakulteta za kemijo in kemijsko tehnologijo* (Faculty of Chemistry and Chemical Technology); Aškerčeva 5, 61000 Ljubljana. Tel: 386-61-1264 344; Fax: 386-61-1258 220.
Chairs of inorganic chemistry, organic chemistry, analytical chemistry, physical chemistry, biochemistry, inorganic chemical technology, organic chemical technology, chemical engineering, ecological technology; the former Višja tehniška varnostna šola (Higher Technical Safety School) has been incorporated into this faculty.

Credentials awarded:
2-year programs: *Inženir kemijske tehnologije* (Chemical technologist); *Inženir papirniške tehnologije* (Paper technologist); *Varnostni inženir* (Safety engineer); *Inženir usnjarsko-predelovalne tehnologije* (Leather technologist).
4-year programs: *Diplomirani inženir kemije* (Graduate in chemistry); *Profesor kemije* (Teacher of chemistry); *Diplomirani inženir kemijske tehnologije* (Graduate in chemical technology); *Diplomirani inženir kemijskega inženirstva* (Graduate in chemical engineering); *Diplomirani inženir papirniške tehnologije* (Graduate in paper technology).
Graduate studies: *Magister, Doktor znanosti.*

8. *Naravoslovnotehniška fakulteta* (Faculty of Natural Sciences); Aškerčeva 12, 61000 Ljubljana. Tel: 386-61-1254 327, Fax: 386-61-224 312.
Departments of Chemical Education and Information science (provides courses in cooperation with Faculty of Education and Biotechnical Faculty in the following combined subjects: chemistry-biology; chemistry-physics); Textile Technology, (with chairs of chemical textile technology, textile raw materials and research, mechanical textile technology, design of textiles and clothing); Mining, with Divisions of Geology (mineralogy and petrology, geology and paleontology), Mining and Geotechnology (technical mining, mining engineering and electrical engineering, mining metrology and geophysical research, mechanical-process technology), Metallurgy and Materials Science (metallurgical energetics, metallography, extractive metallurgy, reforming and metallurgical engineering, foundry technology).

Credentials awarded:
2.5 year programs: *Inženir tekstilne tehnologije* (Textile technologist); *Inženir metalurgije* (Metallurgist); *Inženir gradbeništva-geodezije* (Geodesist).
4-year programs: *Diplomirani inženir tekstilne tehnologije* (Graduate in textile technology); *Diplomirani inženir oblikovanja tekstilij in oblačil* (Graduate in design of textiles and clothing); *Profesor kemije in biologije* (Teacher of chemistry and biology); *Profesor kimije in fizike* (Teacher of chemistry and physics); *Diplomirani inženir geologije* (Graduate in geology); *Diplomirani inženir rudarstvo* (Graduate in mining); *Diplomirani inženir geotehnologije* (Graduate in geotechnology); *Diplomirani inženir metalurgije* (Graduate in metallurgy); *Diplomirani inženir za materiale* (Graduate in materials science).
4.5-year program: *Diplomirani inženir gradbeništva-geodezije* (Graduate in geodesic engineering).
Graduate studies: *Magister, Specialist, Doktor znanosti*.

9. *Fakulteta za arhitekturo* (Faculty of Architecture); Zoisova 12, 61000 Ljubljana. Tel: 386-61-1264 319, Fax: 386-61-221 520.

Credentials awarded:
4.5-year program: *Diplomirani inženir arhitekture* (Graduate in architecture).
Graduate studies: *Magister, Specialist, Doktor znanosti*.

10. *Fakulteta za elektrotehniko in računalništvo* (Faculty of Electrical Engineering and Computer Sciences); Tržaška 25, 61000 Ljubljana. Tel: 386-61-265 161, 262 769, Fax: 386-61-264 990.

Chairs of theoretical principles of electrical engineering, mathematics, physics and mechanics, electrical energy applications and technology, process control and measurement, electric-power systems and devices, control engineering and electromagnetic energy conversion, electronics, telecommunications, systems, automation and cybernetics, computer sciences and information science.

Credentials awarded:
2.5-year program: *Inženir elektrotehnike-inženir računalištva* (Electrotechnician computer operator).
4.5-year programs: *Diplomirani inženir elektrotehnike, Diplomirani inženir računalništva* (Graduate in electrical engineering, Graduate in computer science).
Graduate studies: *Magister, Doktor znanosti Doktor tehniških znanosti* (this title no longer awarded).

11. *Fakulteta za strojništvo* (Faculty of Mechanical Engineering); Aškerčeva 6, 61000 Ljubljana. Tel: 386-61-1261 310, Fax: 386-61-218 567.
Chairs of basic sciences, machine engineering, heat and process technology, power machinery, treatment technology, material sciences, cybernetics, treatment systems and computer technology.

Credentials awarded:
2.5-year program: *Inženir strojništva* (Mechanician).
4-year program: *Diplomirani inženir strojništva* (Graduate in mechanical engineering).
Graduate studies: *Magister, Specialist, Doktor znanosti, Doktor tehniških znanosti* (this title is no longer awarded).

12. *Medicinska fakulteta* (Faculty of Medicine); Main office for medical programs: Vrazov trg 2, 61000 Ljubljana. Tel: 386-61-312 669, Fax: 386-61-321 755; for dental program: Hrvatski trg 6, 61000 Ljubljana, Tel: 386-61-1313 133.
There are 16 institutes, 24 departments, a Center for Electron Microscopy and the Central Medical Library. The departments are microbiology and immunology, pathology, forensic medicine and medical ethics, infectious diseases and epidemiology, internal medicine, surgery, neurology, psychiatry, dermatology and venereology, orthopedics and physiotherapy, radiology, pediatrics, gynecology and obstetrics, otorhinolaryngology, ophthmalmology, oncology and radiotherapy, hygiene and social medicine, stomatological prosthetics, dental diseases and normal morphology of dental organs, maxillofacial and oral surgery, preventive and child dentistry, jaw and dental orthopedics, oral diseases and peridontology. Teaching facilities are provided to the Medical Faculty at the University Clinical Center, the Institute of Oncology, the University Institute for Health and Social Care, and the University Institute of Slovenia for Rehabilitation of the Disabled.

Credentials awarded:
6-year (formerly 5-year) programs: *Doktor medicine* (Doctor of medicine); *Doktor stomatologije* (Doctor of dentistry).
Graduate studies: Extensive programs for advanced specialization study are offered leading to title of *Specialist Magister, Doktor znanosti, Doktor medicinskih znanosti* (the latter title is no longer awarded). Note: From 1963-86, graduates were not permitted to use the titles of Doctor of medicine or Doctor of dentistry. Many refused to accept their degrees while this was the law, though they were able to practice.

13. *Biotehniška fakulteta* (Biotechnical Faculty); Main office: Jamnikarjeva 101, 61000 Ljubljana. Tel: 386-61-1231 161; Fax: 386-61-265 782.
Departments of agronomy, food science and technology, biology, microbiology, forestry, wood technology, zootechnical department.

Credentials awarded:
2.5-year programs: *Inženir kmetijstva smer agronomija* (Agriculturalist, agronomy); *Gozdarski in-*

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ženir (Forester); *Inženir lesarstva* (Wood technologist); *Inženir kmetijstva smer zootehnika* (Agriculturalist, zootechnics).
4.5-year programs: *Diplomirani mikrobiolog* (Graduate in microbiology): *Diplomirani inženir kmetijstva-smer agronomija* (Graduate in agriculture, agronomy); *Diplomirani inženir krajinske arhitekture* (Graduate in landscape architecture); *Diplomirani inženir živilske tehnologije* (Graduate in food technology); *Profesor biologije, diplomirani biolog* (Teacher of biology, Graduate in biology); *Diplomirani gozdarski inženir* (Graduate in forestry); *Diplomirani inženir lesarstva* (Graduate in wood technology); *Diplomirani inženir kmetijstva smer zootehnika* (Graduate in agriculture, zootechnics).
Graduate studies: *Magister, Specialist, Doktor znanosti.*

14. *Veterinarska fakulteta* (Veterinary Faculty); Gerbičeva 60, 61000 Ljubljana. Tel: 386-61-1258 292; Fax 386- 61-218 005.
Institutes for anatomy, histology and embryology, pathology of game, fish and bee diseases, ethological study of animals and environmental hygiene, pathological morphology, microbiology and parasitology, physiology, pharmacology and toxicology, food hygiene and bromatology. Clinics for ruminants, reproduction of domestic animals, surgery and ophthalmology, carnivores. Institutes for poultry diseases, porcine diseases, pathology of animal nutrition, ungulate diseases.

Credentials awarded:
5-year program: *Doktor veterinarske medicine* (Doctor of veterinary medicine).
Graduate studies: *Magister, Specialist, Doktor znanosti.*

15. *Fakulteta za šport* (Faculty of Sport); Gortanova 22, 61000 Ljubljana. Tel: 386-61-1401 077, 444, 134; Fax: 386-61-448 148.
Departments of sociological and methodological studies, medicine and biomechanics, polystructural complex sports, monostructural and conventional sports, skiing, mountaineering.

Credentials awarded:
4-year program: *Profesor športne vzgoje z nazivom smeri* (Teacher of sports education and related fields).
Graduate Studies: *Magister; Specialist, Doktor znanosti.*

16. *Pedagoška fakulteta* (Faculty of Education); Kardeljeva ploščad 16, 61000 Ljubljana. Tel: 386-61-1681 133; Fax: 386-61-347 997. (Also a branch in Koper: Cankarjeva 5, 66000 Koper. Tel: 386-66-24 974; Fax: 386-24 974.)
Departments of primary education, education for students with learning difficulties (special education-defectology), social education, fine art education, physics and technology, mathematics, biology, chemistry and domestic sciences, elementary pedagogic studies, preschool education.

Credentials awarded:
4-year program: *Profesor z nazivom smeri* (Teacher of specialized subject).
Graduate studies: *Magister, Doktor znanosti.*

17. *Teološka fakulteta* (Theological Faculty). Poljanska 4, 61000 Ljubljana, Tel: 386-61-312 593, 1329 197, Fax: 386-61-1329 265.
Institutes of church history, philosophy and social ethics, pastoral institute, catechetical and pedagogic institutes, and institute for biblical studies.

Credentials awarded:
5-years: *Diplomirani teolog* (Graduate in theology).
Graduate studies: *Magister, Doktor znanosti.*

Akademija (Academies) (3):

1. Akademija za glasbo (Academy of Music). Strari trg 34, 61000 Ljubljana. Tel: 386-61-221 842, 221 855; Fax: 386-61-221 853.
Departments of composition and musical theory, conducting, singing, keyboard instruments, bowed instruments and other string instruments, woodwind, brass and percussion instruments, musical education, and church music.

Credentials awarded:
2-year programs: *Glasbenik-kitarist* (Musician-guitarist); *Glasbeni-tolkalec* (Musician-timpani). (The program is the same as the first two years of the four year Academy musician in instruments program.)
4-year program: *Akademski glasbenik* (Academy musician); *Akademski restaurator* (Academy restorer); *Profesor glasbe* (Teacher of music).
Graduate studies: *Specialist, Magister, Doktor znanosti.*

2. Akademija za gledališče, radio, film in televizijo (Academy of Theater, Radio, Film and Television). Nazorjeva 3, 61000 Ljubljana. Tel: 386- 61-210 412; Fax: 386-61-210 450.
Departments of Theater and Radio (dramatic arts, writing and rhetoric, kinetics (movement), theater and radio direction, scenography and costuming); Film and Television Direction; Drama (drama history and dramaturgy, theater and radio history, film and television history and theory).

Credentials awarded:
4-year programs: *Diplomirani igralec* (Graduate in acting); *Diplomirani gledališki in radijski režiser* (Graduate in theater and radio direction); *Diplomirani filmski in televizijski režiser* (Graduate in film and television directing); *Diplomirani dramaturg* (Graduate in drama).
Graduate programs: *Magister* in dramatics studes, Slovenian and/or European drama, Slovenian and/or European theater directing, and study of history and theory of film. *Specialist studies* in dramatic performance, artistic speech, theater direction, radio direction, film direction, and television and/or video management, *Doktor znanosti.*

3. Akademija za likovno umetnost (Academy of Fine Arts). Departments of Painting, Sculpture, Erjavčeva 23, 61000 Ljubljana. Tel: 386-61-212 726; Fax: 386-61-219 071; Department of Design, Dolenjska cesta 83, 61000 Ljubljana. Tel: 386-61-1272 621l, Fax: 386-61-1272 593.

Credentials awarded:
4-year programs: *Akademski slikar* (Academy painter); *Akademski kipar* (Academy sculptor); *Diplomirani industrijski oblikovalec* (Graduate in industrial design); *Diplomirani oblikovalec vizualnih kom-unikacij* (Graduate in visual communications).
Graduate studies: *Magister* programs in art theory, pedagogy, and modelling theory. *Specialist* studies in painting, sculpture, graphics, restoration and conservation, modelling visual communication, industrial mobility, and plastics technology, *Doktor znanosti.*

Visoka šola (University colleges)

1. Visoka pomorska in prometna šola Piran (University College of Naval and Maritime Transport Piran). Pot pomorščakov 4, 66320 Portorož. Tel: 386-66-70 940, 70 945; Fax: 386-66-70 944. The institution is located near Piran.

Credentials awarded:
2-to 3-year programs: *Inženir za pomorski promet* (Maritime transport engineer); *Inženir za ladijsko strojništvo* (Marine mechanics engineer); *Inženir prometa* (Transport engineer).
4-year programs: *Diplomirani inženir prometa* (Graduate transport engineer); *Diplomirani inženir pomorstva* (Graduate maritime transport engineer); *Diplomirani inženir ladijskega strojništva* (Graduate marine mechanics engineer).

2. Visoka šola za socialno delo (University College of Social Work), Šaranovičeva 5, 61000 Ljubljana. Tel: 386-61-313 257; Fax: 386-61-311 132.

Credentials awarded:
2-year program: *Socialni delavec* (Social worker).
4-year program: *Diplomirani socialni delavec* (Graduate in social work).

3. Visoka šola za zdravstvo (University College of Health Care). Poljanska 26a, 61000 Ljubljana. Tel: 386-61-322 277; Fax: 386-61-316 597.

Departments of nursing, physiotherapy, occupational therapy, radiology, sanitary engineering, dental prosthetics, orthopedic technology.

Credentials awarded:
3-year programs: *Višja medicinska sestra* or *Višji zdravstveni tehnik* (Nurse, female or male); *Višji fizioterapevt* (Physiotherapist); *Višji delovni terapevt* (Occupational therapist); *Inženir radiologije* (Radiologist); *Sanitarni inženir* (Sanitary engineer); *Inženir zobne protetike* (Dental prosthetician); *Inženir ortopedske tehnike* (Orthopaedic technologist).
4-year programs: *Diplomirani sanitarni inženir* (Graduate sanitary engineer).

4. Visoka upravna šola (University College of Administration), Kardeljeva ploščad 5, 61000 Ljubljana. Tel: 386- 61-341 763; Fax: 386-61-3400 757.

Credential awarded:
2-year program: *Višji upravni delavec* (Public administrator).

Former *višja šola* associated with University of Ljubljana

Višja tehniška varnostna šola (Higher Technical Safety School), Gorazdova 15, 61000 Ljubljana, Tel: 386-61-558 263; Fax: 386-61-558 251. Incorporated in January 1,1995 into the Faculty of Chemistry and Chemical Technology.

Visoka šola za notranje zadeve (College of Internal Affairs), Kotnikova 8, 61000 Ljubljana, Tel: 386- 61-314 722; Fax: 386-61-302 687. Became *visoka šola* January 1, 1995 and is no longer affiliated with the University of Ljubljana.

Credential awarded:
3-year program: *Pravnik notranjih zadev* (Police Constable for internal affairs).

International links: 34 interuniversity agreements provide for exchange of teaching or common research projects.

Univerza v Mariboru (University of Maribor)

Krekova ulica 2
62000 Maribor, Slovenia
Tel: 386-62-223-611
Fax: 386-62-23-541
E-mail: University@uni-mb.si

History: The University was established in 1975 by parliamentary decree. It had its early origins in a religious institution established in 1859. The Association of Institutions of Higher Education was founded between 1959 and 1961 to meet the economic and social needs of northeastern Slovenia and in 1961 incorporated existing colleges in the area. This was the immediate core of the new university. Between 1959 and 1992, over 52,000 students received degrees from the institution.

Enrollment (1993-94): 12,129--8,957 fulltime (53% female); 3,172 part-time (56% female). 2- to 3-year degree programs: 6,882; 4- to 5- year programs, 4,880; doctoral programs, 367.

Academic staff (1993-94): 737-436 fulltime; 301 part-time. Number with doctorate 377.
University Libraries (7): 860,000.

University facilities: Computing Center; Center for Applied Mathematics and Theoretical Physics; European Center for Ethnic, Regional and Sociological Studies; Institutum Studiorum Humanitatis; Student Housing Center; Institute of Information Sciences; University Library.

Faculties (8):
1. *Ekonomsko-poslovna fakulteta* (School of Business and Economics); Razlagova 14, 62000 Maribor. Tel: 386-62-224-611; FAX: 386-62-227-056. Established in 1959. From 1959-69

offered only 2-year programs. Graduate programs have been offered since 1971. The International Graduate School of Management is a part of this faculty. Degrees conferred since establishment: 11,000 2-year degrees; 4,200 4-year degrees; 240 *Magister* degrees (since 1970); 13 MBA (since 1991); 52 Doctorates.

Enrollment (1993-94): Undergraduates-2,284 fulltime; 3,440 part-time; Graduates-100 part-time. **Academic Staff**: 69 fulltime (23 female); 36 part-time (9 female). Of fulltime faculty 47 have Ph.D. and of part-time 20.

The following institutes and centers are connected to the School: Marketing Institute; International Trade Institute; Institute for Transportation, Business Logistics and Insurance; Institute for Economic Diagnosis and Prognosis; Institute for Economics, Organization and Information Sciences; Operation Research Institute; Institute for Finances and Banking; Business Law Institute; Technology Institute; Institute for Accounting, Auditing and Business Consulting; Project Management Institute; Library; Computing Center.

Programs offered and credentials awarded:
2.5 year program: *Ekonomist* (Economist) in banking and finance, marketing, international trade, business information science, business logistics, business organization, and tourism.
4 year program: *Diplomirani ekonomist*: (Graduate economist) in banking and finance, economics, marketing, international trade, entrepreneurship (general business), business information science, business organization, and small business management (begun in 1993). (See Table 5.2 in Chapter 5 for *Diplomirani* program in banking and finance.)
4.5 year program: *Diplomirani gospodarski inženir* (Graduate in economics and engineering) offered in three specializations: mechanical engineering, electronics, or civil engineering. Program is offered jointly with the Faculty of Technical Sciences.

Graduate studies: *Magister.* (Each degree program admits 30 students per year.) Until 1993-94 there were three *Magister* programs: *Magister ekonomije, Magister poslovne politike in organiziranja, Magister ekonomske informatike* (Master of macroeconomics, Master of business organization, Master of business information science, respectively): 2-year part-time programs with a major in one of following: economics, innovations management, management and organization, marketing, international business, corporate policy and strategic management, finance and banking, business information science, and accounting and auditing. Admission requires a 4-year university degree in economics and business or appropriate university degree and introductory year consisting of five undergraduate courses in economics and business, one year of work experience, knowledge of English or German, and personality and motivation for research work.

As of 1993-94, only one master's degree is offered: *Magister ekonomije in poslovnih ved* (Master of economics and business science). Within this 2-year degree program, there are several specializations: economic theory and analysis, innovations management, management and organization, marketing, international economics, political organization and strategic management, business finance and banking, business information science, and accounting and revision.

MBA (Master of Business Administration): 2-year part-time program consisting of 4 modules offered by the International Graduate School of Business Administration. (See Chapter 6 section on Business programs for details of this program.)

Specialist program in Business Administration and Management (emphasis on auditing), 3-semester part-time. The program provides advanced professional knowledge required to apply for a license as auditor. Admission requires a university degree in economics and business, 3 years of work experience, and knowledge of English or German. First semester studies include 24 hours in busi-

ness economics, accounting, business and tax law, business and public finance and banking, and business information science. Second semester requires 24 hours in controlling, internal auditing, external auditing, business consulting, and specialist seminar (20 hours). The third semester is devoted to the preparation of the final thesis.

Doktor ekonomskih znanosti (Doctor of Economics and Business) two years beyond the Master of Science. There are no required courses. Doctoral students present a research project to the faculty for approval. The thesis is defended publicly. The length of study is officially 2 years (average time is longer). Admission requires a Master of Science in Economics and Business or appropriate master's degree and introductory courses and a doctoral examination. Graduates of the MBA program must pass a doctoral examination to be admitted to doctoral studies.

Tehniška fakulteta (Faculty of Technical Sciences), Smetanova 17, 62000 Maribor. Tel: 386-62-211-178; Fax: 386-62-211-178. This faculty was officially dissolved as of January 1, 1995 and four new faculties created: Electrical Engineering, Computer Science and Information Technology; Civil Engineering; Chemistry and Chemical Technology; and Mechanical Engineering. See listings below.

2. Fakulteta za *elektrotehniko, računalništvo in informatiko* (Faculty of Electrical Engineering, Computer Science and Information Technology), Smetanova 17, 62000 Maribor. 1,047 students. Attached Institutes: Institute for Automation; Institute for Electronics; Power Engineering Institute; Institute for Computer Science and Information Technology; Institute for Mathematics and Physics; Institute of Robotics; Institute of Information Technology; Institute of Computer Science.

Credentials awarded:
2.5-3 year program: Inženir.
4.5 year program: *Diplomirani* (4.5 year).
Both credentials offered in electrical engineering (automatic control engineering, electronics, and power engineering), industrial engineering, and computer science and information technology (software and information science). (See Table 6.5 in Chapter 6 for curriculum of *Diplomirani* program.)
Graduate studies: *Magister* in automatic control engineering, electronics, power engineering, vacuum engineering, computer science and information technology.

3. Fakulteta za gradbeništvo (Faculty of Civil Engineering); Smetanova 17, 62000 Maribor. 326 students. Research is carried out within the Civil Engineering Institute in the fields of civil engineering, highway engineering and communication. Laboratories and centers exist for research in soil mechanics and foundation engineering, materials and structures research, structural analysis, theoretical and experimental analysis and optimization of structures, hydraulics and urban water engineering, road and traffic engineering, technology of building and project management, and architectural design and development.

Credentials awarded:
2.5-3 year program: *Inženir.*
4.5 year program: *Diplomirani.*
Both credentials offered in civil engineering (building technology management and constructional engineering, urban development and road and water resources engineering), road engineering and traffic planning, and industrial engineering.
Graduate studies: *Magister* in mechanics and structures, nuclear engineering and technology, road engineering and traffic planning and control, and technology of building and project management.

4. *Fakulteta za kemijo in kemijsko tehnologijo* (Faculty of Chemistry and Chemical Technology); Smetanova 17, 62000 Maribor. 247 students. The Chemical Research Institution is attached

with 8 specialized laboratories: inorganic chemistry, organic and macromolecular chemistry, physical chemistry, analytical chemistry, separation process, process systems engineering, heating engineering, and water and ozone technology.

Credentials awarded:
2.5-3 year program: *Inženir* in chemical engineering.
4.5 year program: *Diplomirani* programs in Industrial (applied) Chemistry, Process Engineering, and Systems Engineering.
Graduate studies: *Magister* in chemical engineering.

5. *Fakulteta za strojništvo* (Faculty of Mechanical Engineering); Smetanova 17, 62000 Maribor. 1240 students. Attached institutes: Institute of Structures and Machine Design, Institute of Mechanics, Institute of Textile Chemistry, Institute of Production Engineering, Institute of Energy and Process Engineering, Institute of Materials Technology, and Institute of Textile Engineering and Garment Manufacture.

Credentials Awarded:
2.5-3 year program: *Inženir.*
4.5 year program: *Diplomirani.*
Both credentials offered in mechanical engineering (energy and process engineering, structures and machine design, and production engineering), industrial engineering, textile technology (textile technology and garment manufacture).
Graduate studies: *Specialist, Magister tehniških znanosti, Doktor tehniških znanosti.*

A 4.5-year interdisciplinary program in engineering-economics, with specializations in mechanical engineering, electronics, or civil engineering is offered jointly with the School of Business and Economics and leads to the credential of *Diplomirani gospodarski inženir* (Graduate in economics and engineering).

6. *Fakulteta za organizacijske vedem Kranj* (School of Organizational Sciences, Kranj), Prešernova 11, 64000 Kranj. Tel: 386-64-222 804, Fax: 386-64-221 424. Established in 1959, the School offers programs in organizational information systems, organizational theory, and master's degree programs in production organization, information systems organization, integral quality management, human resources and education, and job assessment. The Faculty includes a Labor Organization Institute, a Laboratory for Electronic Data Interchange (EDI) and Inter-organizational Systems, an Education and Counseling Center, a *Moderna organizacija* (Modern Organization) Publisher, a Computing Center, and a Library and Information and Documentation Center. Annual conferences on education, organization and information systems are held.

Credentials awarded:
2.5 to 3 year programs: *Organizator dela* (Organizational science administrator), *Organizator dela-informatik* (Manager/information science).
4 year programs: *Diplomirani organizator dela* (Graduate in organizational science), *Diplomirani organizator dela-informatik* (Graduate in organizational science, information science).
Graduate studies: *Magister* and *Doktor organizacijskih znanosti* in organizational sciences.

7. *Pedagoška fakulteta* (Faculty of Education); Koroška cesta 160, 62000 Maribor. Tel: 386-62-225 611; Fax: 386-62-28 180. The Faculty developed from a teacher training college founded in 1961. It offers teacher training programs in basic and advanced preschool education, primary and secondary teacher education and special courses for teachers in bilingual schools in the area with a Hungarian minority. The Faculty cooperates with a Teacher Training College in Szombathely, Hungary in the exchange of Slovenian and Hungarian language lecturers and students. As there is no Faculty of Humanities at the University of Maribor, the Faculty of Education provides all the courses in this area.
Enrollment: 1,920 students.

Departments: pedagogy, didactics and psychology, sociology, philosophy, preschool education, compulsory teacher education, geography, history, Slovenian language and literature, German language and literature, English and American studies, Hungarian language and literature, mathematics, physics, chemistry, biology, technical education, art pedagogy, and music pedagogy. Attached centers include: Center for Juvenile Literature and Didactics of Juvenile Literature, Center for American Studies, Center for Jazz and Electroacoustics, Center for Educational Technology, Center for Computer Science in Education, and the Research Institute.

Credentials awarded (see Tables 6.10-6.12 for curricula of several programs):

2-year programs: *Vzgojitelj predšolskih otrok* (Educator of preschool children, i.e. Preschool teacher credential); *Učitelj tehnične in proizvodno-tehnične vzgoje* (Teacher of technical education)
4-year programs: *Profesor razrednega pouka* (Classroom Teacher, grades 1 to 4); *Profesor...* (Teacher...) offered with one major in Slovene language, elementary education, music education, art education, computer science and mathematics, mathematics, physics, German language and literature; offered with two majors in Slovenian language, Slovenian language - Serbian and Croatian language, American Studies, English language and literature, German, Hungarian studies, geography, history, sociology, philosophy, theology, mathematics, physics, vocational and technical education, biology, chemistry, and mathematics and computer science.

Graduate studies: *Magister, Doktor zgodovinskih znanosti and Doktor znanosti* in history, music, German language, mathematics, and biology. *Magister* studies are individually designed, with the exception of mathematics, which follows specially designed courses, and require a thesis.

8. *Pravna fakulteta* (Faculty of Law), Mladinska 9, 62000 Maribor. Tel: 386-62-227 611, Fax: 386-62-223 245. Founded in 1960 as a Law School, it originally offered only two-year pre-law programs for students wishing to pursue careers in the legal field; now offers 4-year study programs leading to the first professional degree in law, *Diplomirani Pravnik*. A master's program in business law is also offered. The attached Business Law Institute offers continuing education and further study courses for lawyers and others pursuing careers in business law. Enrollment: 752.

Visoka Šola (University colleges)

1. Visoka kmetijska šola (University College of Agriculture), Vrbanska 30, 62000 Maribor. Tel: 386-62-226-611, Fax: 386-62-23-363. From 1960 to 1992, the College was a *višja šola* offering 2.5-year programs only. Since 1992, it has been upgraded to *visoka šola* status and offers 4-year programs. An Institute for Fruit Production, Viticulture and Wine Production is attached. Joint research programs in plant physiology, plant protection, agronomy, livestock production, agricultural economics, and agricultural engineering are carried out with research groups of other institutions.

Credentials awarded:
2.5 year program: *Inženir kmetijstva ustrezne smeri (agronomija, zootehnika kmetijska tehnika)*, (Agriculturist in fields-agronomy, agricultural zootechnology technician).
4 year program: *Diplomirani inženir kmetijstva smer agronomija, sadjarstvo-vinopodensvto* (Graduate agricultural engineer, agronomy, fruit production/ viticulture).

Visoka zdravstvena šola (University College of Nursing Studies), Žitna 15, 62000 Maribor. Tel: 386-62-303 839. The college was founded in 1993 as a *višja šola* and was changed to a *visoka šola* as of January 1, 1995. It offers a three-year study program in health care, leading to a degree in nursing. The curriculum includes courses in nursing and natural sciences, medicine

and humanities as well as health care. The ratio between basic and applied science courses is 48.8% to 51.2%.

Credentials awarded:
3-year programs: *Višja medicinska sestra* (Higher medical sister, i.e., female nurse), *Višji zdravstveni tehnik* (Health technician, i.e., male nurse).

International agreements: The University participates in the Alps-Adria Rector's Conference; the Standing Conference of Rectors, Presidents and Vice-chancellors of the European Universities (CRE); TEMPUS. It cooperates with institutions of higher education in Germany, Austria, Italy, Hungary, Poland, and the USA and has an active student exchange program with the University of Graz in Austria where students from each university attend lectures at the other university twice a week.

Appendix C: Degrees Awarded in Slovenia

NOTE: The term *Diplomirani* is often translated in Slovenian publications as Bachelor of.... The term Graduate in ... is used in this description. Most degrees are earned in a particular area of specialization. The term *smer* (field or course) with the particular specialization is often included in the credential. Under the Higher Education Act of 1993, all 2- and 2.5-year programs must be increased to 3 years to retain Ministry approval. This change is in process at the time of publication. Programs listed as 4 years usually have one additional year for the diploma work. However, they are officially considered 4-year programs, but the degree is not conferred until the diploma is submitted.

Akademski cerkveni glasbenik	Academy Church Musician, 4 years
Akademski glasbenik-dirigent	Academy Musician-conductor, 4 years
Akademski glasbenik-komponist	Academy Musician-composer, 4 years
Akademski glasbenik-pevec	Academy Musician-singer, 4 years
Akademski glasbenik z navedbo izbranega instrumenta	Academic Musician specializing in instrument (piano, organ, cembalo), 4 years
Akademski kipar	Academy Sculptor, 4 years
Akademski restavrator	Academy Restorer (Conservator), 4 years
Akademski slikar	Academy Painter, 4 years
Diplomirani andragog	Graduate in adult education, 4 years
Diplomirani anglist	Graduate in English language, 4 years
Diplomirani anglist - prevajalec	Graduate in English language - translator, 4 years
Diplomirani arheolog	Graduate in archeology, 4 years
Diplomirani astronom	Graduate in astronomy, 4 years
Diplomirani bibliotekar	Graduate in library science, 4 years
Diplomirani biolog	Graduate in biology, 4 years
Diplomirani dramaturg	Graduate in drama, 4 years
Diplomirani ekonomist	Graduate in economics, 4 years
Diplomirani etnolog in kulturni antropolog	Graduate in ethnology and cultural antropology, 4 years
Diplomirani filmski in televizijski režiser	Graduate in film and television directing, 4 years
Diplomirani filozof	Graduate in philosophy, 4 years
Diplomirani francist	Graduate in French language, 4 years
Diplomirani geograf	Graduate in geography, 4 years
Diplomirani gledališki in radijski režizer	Graduate in theater and radio production, 4 years
Diplomirani gospodarski inženir ustrezne smeri	Graduate in economic engineering, specializing in a particular area, 4 years
Diplomirani gozdarski inženir	Graduate in forestry, 4 years
Diplomirani hispanist	Graduate in Hispanic language, 4 years
Diplomirani hrvatist-srbist-makedonist	Graduate in Croatian, Serbian and Macedonian languages, 4 years
Diplomirani igralec	Graduate in acting, 4 years
Diplomirani industrijski oblikovalec	Graduate in industrial design, 4 years
Diplomirani inženir živilske tehnologije	Graduate engineer in civil technology, 4 years

Appendix C. Degrees Awarded in Slovenia

Diplomirani inženir arhitekture	Graduate in architecture, 4 years
Diplomirani inženir elektrotehnike	Graduate in electrical engineering, 4 years
Diplomirani inženir farmacije	Graduate pharmacist, 5 years (formerly 4 years)
Diplomirani inženir fizike	Graduate in physics, 4 years
Diplomirani inženir geodezije	Graduate in geodetic engineering (surveying), 4
Diplomirani inženir gradbeništva	Graduate in civil engineering, 4 years
Diplomirani inženir kemije	Graduate in chemistry, 4 years
Diplomirani inženir kemijske tehnologije	Graduate in chemical technology, 4 years
Diplomirani inženir kemijskega inženirstva	Graduate in chemical engineering, 4 years
Diplomirani inženir kmetijstva, sadjarstvo-vinograd, smer zootehnika	Graduate in agriculture, specializations, agronomy fruit production/viticulture, zoology, 4 years
Diplomirani inženir krajinske arhitekture	Graduate in landscape architecture, 4 years
Diplomirani inženir ladijskega strojništva	Graduate engineer in marine mechanics, 4 years
Diplomirani inženir lesarstva	Graduate in wood technology, 4 years
Diplomirani inženir matematike	Graduate in mathematics, 4 years
Diplomirani inženir metalurgije	Graduate engineer in metallurgy, 4 years
Diplomirani inženir meteorologije	Graduate engineer in meteorology, 4 years
Diplomirani inženir oblikovanja tekstilij in oblačil	Graduate engineer in design of textiles and clothing, 4 years
Diplomirani inženir papirniške tehnologije	Graduate in paper technology, 4 years
Diplomirani inženir pomorstva	Graduate engineer in maritime transport, 4 years
Diplomirani inženir prometa	Graduate engineer in transport, 4 years
Diplomirani inženir računalništva	Graduate in computer science, 4 years
Diplomirani inženir rudarstva	Graduate engineer in mining, 4 years
Diplomirani inženir strojništva	Graduate in mechanical engineering, 4 years
Diplomirani inženir tekstilne tehnologije	Graduate engineer in textile technology, 4 years
Diplomirani inženir za materiale	Graduate in material science, 4 years
Diplomirani inženir živilske tehnologije	Graduate in food technology, 4 years
Diplomirani italijanist	Graduate in Italian language, 4 years
Diplomirani komunikolog	Graduate in communication, 4 years
Diplomirani kulturolog	Graduate in culturology, 4 years
Diplomirani literarni komparativist	Graduate in comparative literature, 4 years
Diplomirani mikrobiolog	Graduate in microbiology, 4 years
Diplomirani muzikolog	Graduate in musicology, 4 years
Diplomirani nemcist	Graduate in German language, 4 years
Diplomirani nemcist-prevajalec	Graduate in German language-translator, 4 years
Diplomirani novinar	Graduate in journalism, 4 years
Diplomirani oblikovalec industrijskega oblikovanja	Graduate in industrial design, 4 years
Diplomirani oblikovalec vizualnih komunikacij	Graduate in visual communication, 4 years
Diplomirani obramboslovec	Graduate in defense studies, 4 years
Diplomirani organizator dela,	Graduate in organization work, 4 years
Diplomirani organizator dela-informatik	Graduate in organization work - computer science (information science), 4 years
Diplomirani pedagog	Graduate in pedagogy, 4 years
Diplomirani politolog	Graduate in political science, 4 years

Diplomirani pravnik	Graduate in law, 4 years
Diplomirani primerjalni jezikoslovec	Graduate in comparative philology, 4 years
Diplomirani primerjalni slovanski jezikoslovec	Graduate in Slavic comparative philology, 4 years
Diplomirani psiholog	Graduate in psychology, 4 years
Diplomirani rusist	Graduate in Russian language, 4 years
Diplomirani sanitarni inženir	Graduate in sanitary engineering, 4 years
Diplomirani slovenist	Graduate in Slovenian language, 4 years
Diplomirani socialni delavec	Graduate in social work, 4 years
Diplomirani sociolog kulture	Graduate in sociology culture, 4 years
Diplomirani sociolog	Graduate in sociology , 4 years
Diplomirani splošni jezikoslovec	Graduate in general philology, 4 years
Diplomirani ... teolog	Graduate in ... theology, 4 years
Diplomirani umetnostni zgodovinar	Graduate in art history, 4 years
Diplomirani zgodovinar	Graduate in history, 4 years
Doktor medicine	Doctor of medicine, 6 years (as of 1994)
Doktor stomatologije	Doctor of dentistry, 6 years (as of 1994)
Doktor ekonomskih znanosti	Doctor of economic science, 4 years beyond the *Magister*
Doktor ekonomsko-poslovnih znanosti	Doctor of business economics science, 4 years beyond the *Magister*
Doktor medicinskih znanosti	Doctor of medical science, 4 years beyond *Doktor medicine*
Doktor organizacijskih znanosti	Doctor of organization science, 4 years beyond *the Magister*
Doktor tehniških znanosti	Doctor of technical science, 4 years beyond *Magister*
Doktor veterinarske medicine	Doctor of veterinary medicine, 5 years
Doktor znanosti	Doctor of science, 4 years beyond *Magister*
Doktor zgodovinskih znanosti	Doctor of historical science, 4 years beyond *Magister*
Ekonomist	Economist, 4 semesters
Glasbenik-kitarist	Musician-guitarist, 4 semesters
Glasbenik-tolkalec	Musician-percussionist, 4 semesters
Gozdarski inženir	Forester, 4 semesters
Inženir elektrotehnike	Electrotechnician, 5 to 6 semesters
Inženir farmacije	Pharmacist, 5 to 6 semesters
Inženir fizike	Physicist, 5 to 6 semesters
Inženir geodezije	Geodesist (surveyor) 5 to 6 semesters
Inženir gradbeništva	Civil engineer technician, 5 to 6 semesters
Inženir kemijske tehnologije	Chemical technologist, 5 to 6 semesters
Inženir kmetijstva smer agronomija, smer zootehnika, ustrezne smeri	Agriculturalist, specializing in agronomy, zoology, or other fields, 5 to 6 semesters
Inženir ladijskega strojništva	Maritime mechanic, 5 to 6 semesters
Inženir lesarstva	Wood technologist, 5 to 6 semesters
Inženir matematike	Mathematician, 5 to 6 semesters

Appendix C. Degrees Awarded in Slovenia

Inženir metalurgije	Metallurgist, 5 to 6 semesters
Inženir ortopedske tehnike	Orthopedic technologist, 5 to 6 semesters
Inženir papirniške tehnologije	Paper technologist, 5 to 6 semesters
Inženir prometa	Traffic engineer, 5 to 6 semesters
Inženir računalništva	Computer scientist, 5 to 6 semesters
Inženir radiologije	Radiologist, 5 to 6 semesters
Inženir strojništva	Mechanic, 5 to 6 semesters
Inženir tekstilne tehnologije	Textile technologist, 5 to 6 semesters
Inženir tekstilno-konfekcijske tehnologije	Textile-ready-wear technologist, 5 to 6 semesters
Inženir usnjarsko-predelovalne tehnologije	Leather technologist, 5 to 6 semesters
Inženir za ladijsko strojništvo	Marine mechanic, 5 to 6 semesters
Inženir za pomorski promet	Maritime transport engineer, 5 to 6 semesters
Inženir zobne protetike	Dental prosthetician, 5 to 6 semesters
Magister/Magistra (with field)	Master, 2 years beyond a four-year or longer university degree
Magister/Magistra tehniških znanosti	Master of engineering science, 2 years beyond a *Diplomirani* in related field
Organizator dela	Manager, 5 to 6 semesters
Organizator dela-informatik	Manager-information science, 5 to 6 semesters
Pravnik notranjih zadev	Police constable for internal affairs, 6 semesters
Profesor angleščine	Teacher (secondary level) of English language, 4 years
Profesor biologije	Teacher (secondary level) of biology, 4 years
Profesor defektologije	Teacher (secondary level) of defectology (special education), 4 years
Profesor filozofije	Teacher (secondary level) of philosophy, 4 years
Profesor fizike	Teacher (secondary level) of physics, 4 years
Profesor francoskega jezika s književnostjo	Teacher (secondary level) of French language and literature, 4 years
Profesor geografije in ... (field)	Teacher (secondary level) of geography ... (field), 4 years
Profesor geografije in geologije	Teacher (secondary level) of geography and geology, 4 years
Profesor glasbe	Teacher (secondary level) of music, 4 years
Profesor glasbene pedagogike	Teacher (secondary level) of music pedagogy, 4 years
Profesor glasbene teorije	Teacher (secondary level) of music theory, 4 years
Profesor grškega jezika	Teacher (secondary level) of Greek language, 4 years
Profesor hrvaškega, srbskega in makedonskega jezika s književnostjo	Teacher (secondary level) of Croatian, Serbian, Macedonian language and literature, 4 years
Profesor italijanskega jezika s književnostj	Teacher (secondary level) of Italian language and literature, 4 years
Profesor kemije	Teacher (secondary level) of chemistry, 4 years

Profesor kemije in biologije	Teacher (secondary level) of chemistry and biology, 4 years
Profesor latinskega jezika	Teacher (secondary level) of Latin language, 4 years
Profesor likovne pedagogike	Teacher (secondary level) of fine arts education, 4 years
Profesor matematike	Teacher (secondary level) of mathematics, 4 years
Profesor nemščine	Teacher (secondary level) of German language, 4 years
Profesor nemškega jezika s književnostjo	Teacher (secondary level) of German language and literature, 4 years
Profesor petja	Teacher (secondary level) of singing, 4 years
Profesor primerjalnega slovanskega jezikoslovja	Teacher (secondary level) of comparative Slavic philology, 4 years
Profesor računalništva z matematiko	Teacher (secondary level) of computer science and mathematics, 4 years
Profesor razrednega pouka	Teacher (secondary level) of classroom instruction, Grades 1-4, 4 years
Profesor ruskega jezika s književnostjo	Teacher (secondary level) of Russian language and literature, 4 years
Profesor slovenskega jezika s književnostjo	Teacher (secondary level) of Slovenian language and literature, 4 years
Profesor socialne pedagogike	Teacher (secondary level) of social pedagogy, 4 years
Profesor sociologije	Teacher (secondary level) of sociology, 4 years
Profesor španskega jezika s književnostjo	Teacher (secondary level) of Spanish language and literature, 4 years
Profesor športne vzgoje	Teacher (secondary level) of sports education, 4 years
Profesor umetnostne zgodovine	Teacher (secondary level) of art history, 4 years
Profesor... (z navedbo izbranega instrumenta)	Teacher (secondary level) of ... (various instruments), 4 years
Profesor... (z navedbo obeh predmetov)	Teacher (secondary level) ... specializing in two fields), 4 years
Profesor ... (z nazivom smeri)	Teacher (secondary level) ... (in specialized fields), 4 years
Profesor zdravstvene vzgoje	Teacher (secondary level) of health education, 4 years
Profesor zgodovine	Teacher (secondary level) of history, 4 years
Profesor ... in teologije	Teacher (secondary level) of ... theology, 4 years
Sanitarni inženir	Sanitary engineer, 5 semesters
Socialni delavec	Social worker, 5-6 semesters
Specialist (with field)	Specialist (with field), generally 1-2 years
Učitelj tehnične in proizvodno-tehnične vzgoje	Teacher of technical education, 4 semesters
Varnostni inženir	Safety engineer, 4 semesters
Višja medicinska sestra	Higher medical sister-Nurse, 3 years

Appendix C. Degrees Awarded in Slovenia

Višji delovni terapevt	Occupational therapist, 3 years
Višji fizioterapevt	Physical therapist, 3 years
Višji upravni delavec	Public administrator, 4 semesters
Višji zdravstveni tehnik	Health technician (nurse, male), 3 years
Vzgojitelj predšolskih otrok	Preschool teacher, 4 semesters

Appendix D. Private Secondary Schools Approved by the Ministry of Education and Sport

1. Škofijska klasična gimnazija (Church School Classical Gymnasium) in Zavod Sv. Stanislava Ljubljana, Šentvid, Štula 23. cna gimnazi.

2. Gimnazija Želimlje (Zelimlje Gymnasium), Ig pri Ljubljani, Želimlje 46.

3. Škofijska gimnazija Vipava (Church School Gymnasium of Vipava), Vipava, Gabrijanova 19.

4. Zasebno podjetje (Private enterprise) RIRO d.o.o., Kamnik, Jenkova 1. This school is run by a private firm.

5. Agencija Tolminska (Tolmin Agency), Tolmin, Prešernova 2.

6. Zavod za raziskavo nateriala in konstrukcij (Center for Research of Materials and Buildings/ Constructions), Ljubljana, Dimičeva 9.

GLOSSARY

Slovenian is a Slavic language. There are three diacritical marks in Slovenian, č, š, ž. In this glossary words beginning with these letters are in straight alphabetical order. In a Slovenian dictionary they would appear after the same unmarked letter, e.g., c, s, z. The letter "v" is regularly used where a "u" is used in English, e.g., Avtomatika.

There are six declensions in Slovenian grammar. Therefore, the ending of many words change depending on the word which is being modified and its use in the sentence. Roots of words are generally spelled the same, no matter what the declension is.

Administrativna dejavno	Secretarial training
Angleški jezik	English language
Aplikativno	Applied
Avtomatika	Automatics
Biokemija	Biochemistry
Biologija	Biology
Branje	Reading
Čitanje	Reading
Civilno pravo	Civil Law
Dan	Day
Datum	Date
Dejavnost	Actvity
Dekan	Dean
Delavec	Worker
Delo	Professional work
Delovno pravo	Labor law
Deset	Ten
Diplomirani	Graduate in ...
Diplomska naloga	Diploma thesis
Disertacija	Dissertation
Dober	Good
Dodiplomski študij	Prediploma (Undergraduate) studies
Dokumentacija	Documents
Drugi	Second, other
Družba	Society, association
Družben(a)	Social, of society
Država	State
Državljanstvo	Citizenship
Dvoletne	Biennial
Ekonomika	Economics
Elektrotehnični	Electrical engineer; electrician
Elektrotehnika	Electrical engineering
Fakulteta	Faculty, school
Farmacija	Pharmacy
Federativna	Federal
Filozofski	Philosophical
Finančno	Financial
Finančno pravo	Financial law
Fizično	Physical (education)
Fizika	Physics
Fizioterapevtski	Physiotherapy
Francoski jezik	French language
Geodezija	Geodesy, surveying
Geografija	Geography
Gimnaija	Gymnasium, Academic secondary school
Glasbena vzgoja	Music education
Glasbenik	Musician
Glavni/Glaven	Elementary, basic, primary, main
Gospodarski	Economic, business
Gospodinjstvo	Home economics
Gostinstvo	Food services industry (cooking and catering), hotel trade, hotel management
Gostujoči visološolski učitelj	Visiting scholar
Gozdarstvo	Forestry
Gradbeni	Constructive
Gradbeništvo	Civil engineering
Gumarstvo	Rubber industry

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Hrvaška	Croatia
Ime	Name, term, title
Indeks	Report book
Inženir	Engineer
Izobrazba	Education
Izpit	Examination
Izpitna komisija	Board of examiners
Izpopolnjevalni tečaj	A refresher course
Izpraševalec	Examiner
Izredni študij	Part-time studies
Izredni študent	Part-time student
Jasli	Day nursery
Javno	Public
Jedrska	Nuclear
Jezik	Language
Julij	July
Kemija	Chemistry
Kemijski	Chemical
Kmetijstvo	Agriculture, rural economy, farming, husbandry
Knjiga	Book
Književnost	Literature
Knjižnica	Library
Končani	Completed
Konstrukcije	Construction
Kovinska	Metallurgic
Kraj	Town, Place
Kultura	Culture (music, painting, drama, dancing, photography)
Kvalificiran	Qualified, skilled
Les	Wood
Lesarstvo	Wood industry
Leten, Letno	Annual
Leto	Year
Likovna (vzgoja)	Fine arts (education)
Likovna umetnost	Fine arts
Linija	Line
Ljudstvo	People, nation, population, folk
Lkovna vzgoja	Art education (in elementary school)
Magister	Master's degree
Magistrsko delo	Master's thesis
Mala šola	Preschool
Marec	March
Matematika	Mathematics
Matična knjiga	Register, record
Matura	National examination at end of secondary school
Medicinski	Medical
Mednarodno javno pravo	International public law
Meritev	Measuring
Metalurgija in strojništvo	Metallurgy and mechanical engineering
Mikroračunalnik	Microcomputers
Molekularna	Molecular
Most	Bridge
Načrt	Plane, design, draft
Naloga	Thesis
Narava	Nature
Naravoslovno	Science
Naslednji	Next, following
Naslov	Title, name
Nasvet	Advice, counsel
Navtika	Nautical
Naziv	Name, term, title
Nemski jezik	German language
Neorganska kemija	Inorganic chemistry
Nezadosten	Insufficient, unsatisfactory,
Nivo	Level
Občina	Commune, township, municipality
Obramba in zaščita	Defense and protection
Obrt	Trade, craft, handcraft
Obveznost	Obligation
Ocena	Mark, grade, evaluation
Oddelek	Department
Odgovorna	Responsible
Odličen	Excellent, superior
Odsek	Department
Opomba	Remark, note
Opravil	Pass
Organizacijske	Organizational
Osem, osmi	Eight
Osnova	Base, basis

Glossary

Osnove tehnike in proizvodnje	Basics of techniques and production
Osnovna	Elementary, introductory
Osnovna šola	Elementary (primary) school
Osnovni(o), (a)	Elementary, basic
Otrok	Child
Papirništvo	Paper industry
Pečat	Seal, brand, stamp
Pedagogika	Pedagogy
Pedagoška	Pedagogical
Pisni izpit	Written examination
Podiplomski študij	Graduate studies
Podpis	Signature
Poklic	Profession, vocation, occupation
Poletje	Summer
Poletni semester	Spring semester
Policijska šola	Police school
Politične	Politics, policy
Poljedelski	Farming, agricultural,
Pomorstvo	Maritime, nautical, naval
Ponovni izpit	Repeated examination
Popolno	Complete
Poslovno-finančna dejavnost	Business and finance administration
Potrdilo	Certificate, attestation
Poučni	Educational
Pouk(a)	Education, instruction, lessons
Povpreček	Average
Praksa	Practical training, experience
Prav dober	Very good
Pravica	Right
Pravilnik	Rule book, regulations, statutes
Pravo	Law
Predavanje	Lecture
Predmet, predmetnega	Subject
Predmetnik	Syllabus
Predsednik	President, chairman
Predšolska vzgoja	Preschool education
Prevod	Translation
Priimek	Surname
Primerno (obnašanje)	Exemplary (behavior)
Pripravljalen	Preparatory, preliminary
Pripravnik	Person on probation, candidate
Profesija	Profession, occupation, job
Profesijonalec	Professional
Profesor	Professor, teacher
Proizvodno delo (delovna praksa)	Work in production/ practical work
Promet	Road engineering and traffic planning and control
Promet in zveze	Transportation and communication
Prosveta	Education, enlightenment
Prvi(a)(o)	First
Prvič	(First) time
Psihologija	Psychology
Publikacija	Publication
Računalništvo	Computer science
Računovodstvo	Accounting
Računalnik	Computer
Raven	Standard
Ravnatelj	Principal, Headmaster
Raziskovanje	Research
Razred	Form, class
Razredni	Class
Razrednik	Class teacher
Redni študij	Fulltime studies
Redno (število)	Ordinary (number)
Reguliranje	Regulation
Rektor	Chancellor, president, principal, provost
Rojen-a dne, rojen	Born at
Rudarstvo	Mining and mineral engineering
Samostojni visokošolski zavod	Independent institution of higher education
Sedem	Seven
Sekretarijat	Secretary
Seminarska naloga	Seminar paper
Šest	Six
Sestra (medicinska)	Nurse
Slovar	Dictionary
Slovenski	Slovene
Službeni	Official, formal
Smer	Field, direction, course

Socialistična	Socialistic
Socialen	Social
Šola	School
Šolnina	Tuition
Šolskim	School-, scholastic
Sošolec	Fellow pupil, classmate
Specialistična naloga	Specialist thesis
Specializacija	Specialization
Spričevalo	Certificate, report, evidence
Srbija	Serbia
Srednji	Average, middle
Steklarstvo	Glass industry
Število	Number
Štiri	Four
Stopnja	Degree, grade
Storitvena dejavnost	Service trades
Stroj	Engine, machine
Strojni	Mechanical
Strojništvo	Mechanical engineering
Stroka	Occupation, profession
Strokovni	Professional
Študij na daljavo	Distance education
Študije	Studies
Študijski program	Study plan
Tajnik (sekretar)	Secretary
Tečaj	Course of lectures
Tedenski	Weekly
Tehnik	Technician
Tehniška	Technical sciences
Tekstilstvo	Textile industry
Telesna vzgoja	Physical education
Telovadba	Gymnastics, athletics
Teološki	Theological
Terenske	Field work
Tiskarstvo	Printing industry
Trajanje	Duration
Tretji	The third
Trgovinska	Trade, commerce
Tuji	Foreign
Turizem	Tourism
Tutorstvo	Tutorship
Učenec (učenka)	Schoolboy (girl)
Učitelj	Teacher, tutor, educator
Umetniška akademija	Art academy
Umetnostna vzgoja	Art education
Univerza	University
Uporabna matematika	Applied mathematics
Uprava	Administration, direction, management
Upravna dejavnost	Public administration (clerical plus documentation, archiving)
Upravno (pravo)	Administrative (law)
Ura	Hour, lessons, watch, clock
Uradni	Official, formal
Usnjarstvo	Leather industry
Uspeh	Success, good result
Ustava	Constitution
Ustni izpit	Oral examination
Uvod	Introduction
Vaje	Exercise, training, practice
Večerni tečaj	Evening course, evening lectures,
Vede	Sciences
Vede o vesolju	Space sciences
Vede o zemlji	Earth sciences
Vedenje (obnašanje)	Behavior
Verska vzgoja	Religious education
Veterinarstvo	Veterinary
Visoka šola	Higher (tertiary level) institution
Visoja strokovna šola	Professional higher education institution
Višja šola	High (tertiary level) institution offering two-year programs
Vrtnarstvo in cvetličarstvo	Horticulture and florist
Vzgoja	Education, upbringing
Vzgojitelj, Vzgojiteljica	Educator, Female Educator
Zadosten (zadostno, zadostna)	Sufficient
Zaključni	Final, last
Zakon	Law,act,statue
Zdravnik	Doctor
Zdravstvena	Medical

Zdravstvo	Health sciences (medical)
Zdravstvena vzgoja	Health education
Zemljepis	Geography
Zgodovina	History
Žig	Brand, stamp, seal
Zimski semester	Fall semester
Živilstvo	Food processing
Znanost	Science

Documents

3.1 *Spričevalo o končani osnovni šoli* (Certificate of Completion of Compulsory School)

3.2 *Potrdilo o izpolnjenem obveznem šolanju* (Attestation of Completion of Period of Compulsory Studies)

4.1 *Letno spričevalo* (Annual Grade Report)

4.2 *Spričevalo o zaključnem izpitu* (Certificate of Final Examinations), i.e., The secondary school leaving certificate

4.3 *Spričevalo o zaključnem izpitu* (Certificate of Final Examinations) The secondary school leaving certificate without grades for students with an overall average of '"Excellent" in the final year

4.4 *Maturitetno spričevalo* (*Matura* Examinations Certificate)

5.1 Grade Report from University of Maribor, School of Business and Economics

5.2 *Inženir...* (Engineer...field) Diploma from 2- to 3-Year Professional Tertiary Program

5.3 *Diplomirani...* (Graduate...field) Diploma

5.4 *Akademski Glasbenik* (Academy Musician) from 4-Year Academy Program

5.5 *Specialist* (Specialist) Diploma

5.6 *Magister/magistra* (Master) Diploma

5.7 *Doktor znanosti* (Doctor of Science) Diploma

6.1 *Profesor* (Teacher–Secondary School) Diploma

7.1 *Potrdilo o opravijenem strokovnem izpitu* (Attestation of satisfactory passing of the professional examination)

Document 3.1 *Spričevalo o končani osnovi šoli* (Certificate of completion of compulsory school)

This a copy of the certificate of completion of compulsory school, which is printed on white paper, with a pale green overlay of leaves and the shield of the Republic of Slovenia. The name and address of the school is given at the top: Osnova šola Borisa Kidriča (Borisa Kidriča Primary School), Žolgarjeva ul.4, 62000 Maribor. The student's first and last name is on the line: *ime in priimek učenca-ke* (the *-ca* ending indicates it is a male; the *-ke* ending that it is a female). Date and place of birth: *rojen-a v kraju* (November 19, 1979, Maribor). Community and country: *občina...država* (Maribor, Slovenia). The following line states that in the school year 1993-94 the student had attended eight years of classes and attained the following results. The subjects taken and grades received are then listed. The grade for behavior (*vedenje*) is below the subject list. The overall marks received for the eight years of study (*Osmi razred je končal-a s splošnim uspehom*) follow on the next line and then the statement that the school obligation is completed in the scholastic year 1993-94. The document is signed by the Class Teacher (*Razrednik*) and the Principal (*Ravnatelj*). The numbers down in the right hand corner following *St. matičnega lista* refer to the file numbers in the school records.

REPUBLIKA (shield) SLOVENIJA

Na podlagi prvega odstavka 146. člena Zakona o osnovni šola (Uradni list SRS, št. 5/80, 29/86, 31/86. in 12/91) izdaja

OSNOVNA ŠOLA BORISA KIDRIČA

(ime osnovne šole)

ŽOLGARJEVA ul. 4, 62000 MARIBOR

(kraj)

SPRIČEVALO

o končani osnovni šoli

(ime in priimek učenca-ke)

rojen-a *19. IX* 1979 v kraju *MARIBOR*

občina *MARIBOR* država *SLOVENIJA*

je v šolskem letu 19... *93/94*...obiskoval-a osmi razred osnovne šole in dosegel-a naslednji uspeh:

Slovenski jezik	*odlično (5)*	Fizika	*prav dobro (4)*
Angleški.....jezik	*prav dobro (4)*	Matematika	*prav dobro (4)*
...../.....jezik	/	Tehnična vzgoja	*uspešno (U)*
Likovna vzgoja	*uspešno (U)*	Gospodinjstvo	*zelo uspešno (ZU)*
Glasbena vsgoja	*zelo uspešno (ZU)*	Telesna vzgoja	*zelo uspešno (ZU)*
Zemljepis	*prav dobro (4)*	...../.....	/
Zgodovina	*prav dobro (4)*	...../.....	/
Biologija	*dobro (3)*	...../.....	/
Kemija	*dobro (3)*	...../.....	/

Vedenje *vzorno (V)*

Osmi razred je končal-a s splošnim uspehom *prav dobrim*

Šolsko obveznost je izpolnil-a v šolskem letu 19..*93/94*..

Št. delovodnika...*32*.... Št. matičnega lista..*29/7g*..

Maribor *15. VI* 19..*94*...

Razednik: (SEAL) Ravnatelj:

Document 3.2 *Potrdilo o izpolnjenem obveznem šolanju* (Attestation of completion of period of compulsory studies)

This is a copy of the document which is given to students who reach age 15 without having satisfactorily completed all eight years of study. The document is printed on white paper with a pale green overlay of leaves and the shield of the Republic of Slovenia. Students must have completed at least the first six years satisfactorily. The attestation gives the name and address of the school at the top: Osnova šola Borisa Kidriča (Borisa Kidriča Primary School), Žolgarjeva ul.4, 62000 Maribor. The student's first and last name is on the line: *ime in priimek učenca-ke* (the *-ca* ending indicates it is a male; the *-ke* ending that it is a female). Date and place of birth: *rojen-a... v kraju* (August 9, 1978, Maribor). Community and country: *občina...država* (Maribor, Slovenia). The next line states that the student attended primary school from Sept.1, 1985 to June 24, 1994 and fulfilled in the school year 1993/94 the school attendance obligation in accordance with Article 80 of the primary school law. In the school year 1993-94, the student completed grade 7 with the following result: *zadostnim* (pass, sufficient). The document is signed by the Class Teacher (*Razrednik*) and the Principal (*Ravnatelj*). The numbers following *St. matičnega lista* refer to the file numbers of the school records.

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REPUBLIKA (shield) SLOVENIJA

Na podlagi 4. točke 3. člena Pravilnika o pedagoški dokumentaciji v osnovni šola (Uradni list SRS, št. 20/80, 16/82 in 7/87) izdaja

OSNOVNA ŠOLA BORISA KIDRIČA

(ime osnovne šole)

ŽOLGARJEVA ul. 4, 62000 MARIBOR

(kraj)

POTRDILO
o izpolnjenem obveznem šolanju

(ime in priimek učenca-ke)

rojen-a *9. VII* 1978 v kraju *MARIBOR*

občina *MARIBOR* država *SLOVENIJA*

je obiskoval-a osnovno šolo v času od *1.sept.1985* do *24. junija 1994*

in izpolnil-a šolskem letu 1993/94 šolsko obveznost v skladu z 80. členom zakona o osnovni šoli (Uradni list SRS, št. 5/80, 29/86 in 31/86).

V šolskem letu 1993/94 je obiskoval-a *7* razred in ga končal-a splošnim uspehom

zadostnim

Št. delovodnika *312* Št. matičneva lista *75/78*

v *Mariboru*, dne *24. vi* 1994

Razednik: Ravnatelj:

(seal)

Document 4.1 *Letno spričevalo* (Annual Grade Report)

This is a copy of the secondary school annual grade report. The original is printed on white paper with a a pale green overlay of leaves and the shield of the Republic of Slovenia. The name and address of the school is given at the top: Srednja Kovinarska, Strojna in metallurška šola (Kovinarska Secondary School, School for mechanics and metallurgy), Smetanova 18, Maribor. The program the student is following, in this example: *programu srednjega izobraževanja PREOBILKOVALEC IN SPAJALEC KOVIN* (Program of secondary education PREMODELER METAL JOINING WORKER). In some documents the vocational title to be awarded will be given after the word *poklic*. The required subjects are listed, as well as spaces for other subjects. The document is signed by the Class Teacher (*Razrednik*) and the Principal (*Ravnatelj*).

REPUBLIKA (shield) SLOVENIJA

Na podlagi drugega odstavka 98. člena Zakona o usmerjenem izobraževanju (Uradni list SRS, št. 11/80, 6/83. 25/89 in 35/89) ter 5. člena Pravilnika o pedagoški dokumentaciji in evidencah v srednjem izobraževanju (Uradni list SRS, št. 5/81, 10/88 in 6/90) izdaja

SREDNJA KOVINARSKA, STROJNA IN METALURŠKA ŠOLA

MARIBOR, Smetanova 18

(ime in sedež vzgojno-izobraževalnega zavoda)

LETNO SPRIČEVALO

.....rojen-a dne.....

(ime in priimek učenca-ke)

v kraju.....občina .....država.....

je v šolskem letu 19...../.....obiskoval-a.....krat.....letnik.....oddelek

po programu srednjega izobraževanja ...*PREOBILKOVALEC IN SPAJALEC KOVEN*.....

(vrsta in naziv programa)

za poklic.....in dosegel naslednji uspeh:

(smer oziroma poklic)

Slov. jezik in knjiž.....	Osnove strojništva.....
Umetmost.....	Strojeslovje.....
Matematika.....	Tehnologija.....
Družbena znanja.....	Praktični pouk.....
Športna vzgoja.....	Obvezne izb. vsebine.....
Angleški jezik.....	.....
Nemški jezik.....	.....
.....	.....
.....	.....
.....	.....
.....	.....

Splošni učni uspeh

Št. osebnega lista .....

.....*Maribor*....., dne .....19.....

..... M.P. .....

(razrednik) (ravnatelj)

Document 4.2 *Spričevalo o zaključnem izpitu* (Certificate of final examinations). The secondary school leaving certificate

This is a copy of the the secondary school leaving certificate which is printed on white paper with a pale green overlay of leaves and the shield of the Republic of Slovenia. It is issued for all secondary programs ranging from two to five years in length. The name and address of the school are on the top two lines: Srednja Kovinarska, Strojna in metalurška šola (Kovinarska Secondary School, School for Mechanics and Metalurgy), Smetanova 18, Maribor. The name of the student is on the line (*ime in priimek*). Date and place of birth (*rojen-a...kraju*), community and country: *občina...država*. It then states that in the school year 1993/94, the student completed the 4th (examination) year/*(zaključni) letnik*: 4. The next line indicates the program followed: *strojništvo* (machinery) and the vocational title awarded: *strojni tehnik* (machine technician). The dates on which the final examinations were held : June 16 to June 24. Then the subjects taken and the marks obtained are listed. The next line: *Zaključni izpit je opravil-a s/z: odličnim* indicates that the final examinations were passed with an overall grade of excellent. The document is signed by the Principal (*Ravnatelj*).

REPUBLIKA (shield) SLOVENIJA

Na podlagi prvega odstavka 106. člena Zakona o usmerjenem izobraževanju (Uradni list SRS, št. 11/80, 6/83. 25/89 in 35/89) in drugega odstavka 41. o. člena Pravilnika o preverjanju in ocenjevanju znanja v srednjem izobraževanju (Uradni list SRS, št. 5/81, 29/85, 10/88 in 6/90) izdaja

..SREDNJA KOVINARSKA, STROJNA IN METALURŠKA ŠOLA.....

.....MARIBOR, Smetanova 18.....

(ime in sedež vzgojno-izobraževalnega zavoda)

S P R I Č E V A L O

o zaključnem izpitu

.....

(ime in priimek)

rojen-a.....v kraju .....

občina.....država.....

je v šolskem letu 19...*93/94* končal-a .....*4*..... (zaključni) letnik .....

..... *strojništvo*.....

(vrsta in naziv vzgojno-izobraževalnega programa)

smer oz. poklic .....*strojni tehnik*.....

Zaključni izpit je opravljal-a v času od .....*16. junija*.....do.....*24. junija* 94.....

Pri zaključnem izpitu je dosegel-a naslednji uspeh:

Slovenski jezik in književnost .....*prav dober (4)*

Matematika ..... *odlično (5)*

Tehnologija ..... *odlično (5)*

Zaključna naloga ..... *prav dober (4)*

Zaključni izpit je opravil-a

s/z *odličnim*

splošnim učnim uspehom in s tem izpolnil-a vse obveznosti po programu.

Zap. št. zaključ. izpita.....

.....*Maribor*....., dne.....*24.junija*.....19..94.....

Ravnatelj:

M.P. .....

Document 4.3 *Spričevalo o zaključnem izpitu* (Certificate of final examinations). The secondary school leaving certificate without grades for students with an overall average of 'Excellent' in the final year)

This is a copy of the secondary school leaving certificate issued to students who obtain an overall average of 'Excellent' (average of final subject marks higher than 4.5) in their final year of study and, therefore, are exempt from final examinations. The original is printed on white paper with a pale green overlay of leaves and the shield ot the Republic of Slovenia. The document shows the name and address of the school on the top two lines, Srednja Kovinarska, Strojna in metalurška šola (Kovinarska Secondary School, School for Mechanics and Metalurgy), Smetanova 18, Maribor. The student's name is on the line (*ime in priimek*), place and date of birth (*rojen-a ...v kraju*), and the year in which the last studies were taken. The program followed is on the next line, followed by the particular vocation studied. The words *Kandidat-ka je oproščen-a opravljanja zaklučnega izpita, ker je zaključni letnik končal-a s/z* (with mark of *odličnim (5)* entered) *splošnim učnim uspehom in s tem izpolnil-a vse obveznosti po programu.* (The candidate, he/she, is exempt from final examinations because he/she completed the last year of his/her secondary school program with a grade average of ..... Thus he/she has fulfilled all the prescribed obligations.) The document is signed by the Principal (*Ravnatelj*).

REPUBLIKA (shield) SLOVENIJA

Na podlagi prvega odstavka 106. člena Zakona o usmerjenem izobraževanju (Uradni list SRS, št. 11/80, 6/83. 25/89 in 35/89) in četrtega odstavka 41. o. člena Pravilnika o preverjanju in ocenjevanju znanja v srednjem izobraževanju (Uradni list SRS, št. 5/81, 10/88 in 6/90) izdaja

SREDNJA KOVINARSKA, STROJNA IN METALURŠKA ŠOLA

MARIBOR, Smetanova 18

(ime in sedež vzgojno-izobraževalnega zavoda)

SPRIČEVALO

o zaključnem izpitu

.....

(ime in priimek)

rojen-a.....v kraju .....

občina.....državava.....

je v šolskem letu 19..*93/94* končal-a .....*3.* (zaključni) letnik .....

Preoblikovalec in spajalec kovin

(vrsta in naziv vzgojno-izobraževalnega programa)

smer oz. poklic .....*Konstrukcijski ključavničar*.....

Kandidat-ka je oproščen-a opravljanja zaključnega izpita, ker je zaključni letnik končal-a s/z *odličnim (5)* splošnim učnim uspehom in s tem izpolnil-a vse obveznosti po programu.

Zap. št. zaključ. izpita.....

.....*Maribor*....., dne.....*24/6-*.....19..94.....

Ravnatelj:

M.P. .....

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Document 4.4 *Maturitetno spričevalo* (*Matura* Examinations Certificate)

The document shown is copied from a preliminary mock-up of the certificate. The certificate will have a cover and two pages. The first page will give the name and address of the school attended on the top two lines. The student's first and last name follows on the line (*ime in priimek*). date and place of birth (*rojen-a...v kraju*), country (*država*) and the secondary school program followed and the year of completion. Then the statement *opravil-a maturo* (successfully passed the maturity examinations). This sheet is signed by the Principal (*Ravnatelj*) of the school the student attended and the Chairman of the Republic Maturity Commission (*Predsednik RMK*). The internal sheet repeats the basic information with student name, birth date, country and program followed and then gives the year in which the maturity examination subjects were taken. Next it states that the student took the maturity examinations with the following results. The subjects are then listed. All students will take *materni jezik* (mother tongue), mathematics (*matematika*), and one foreign language (*tuji jeznik*), as well as two optional subjects (*izbirni predmeti*). Students have the option of taking a sixth subject (*šesti predmet-neobvezno*). Certain subjects (e.g., mathematics, foreign language) may be taken at the standard level (*osnovna raven zahtevnosti*) or the advanced level (*višja raven zahtevnosti*). Marks for each exam are listed, the number of points achieved (on a 100 point scale), *Število doseženih točk,* and the equivalent school mark on the 5 point scale, *Ocena.* The average grade on the examinations (*splošni uspeh pri maturi*) is then given. The document is signed by the Director of the Republic Maturity Commission (*Direktor RIC).*.

Maturitetno spričevalo
(first page)

- tisk v podtonu z grbom RS
- barva (svetlo modra)

Na podlagi _____ člena Zakona o usmerjenem izobraževanju (Uradni list SRS, št. 11/80, 6/83, 25/89, 35/89)

i z d a j a

_____
(ime in sedež šole)
_____

MATURITETNO SPRIČEVALO

_____
(ime in priimek)

rojen-a_____ v kraju _____

država _____

se je izobraževal-a po programu_____

_____

in v šolskem letu _____

o p r a v i l - a m a t u r o

Zap.št. spričevala: _____

_____. dne_____

RAVNATELJ: PREDSEDNIK RMK:

_____ M. P. šole _____

See next page

Maturitetno spričevalo

(Inside page)

- računalniški izpis
(program pripravi RIC)

Glava RIC -a

_____

(ime in priimek)

rojen-a_____ v kraju _____

_____ država _____

se je izobraževala po programu _____

_____

in v šolskem letu_____ dosegel-a pri maturi naslednji uspeh:

PREDMET	Število doseženih točk	Ocena
_____ (materni jezik)		
MATEMATIKA _____ (raven)		
_____ (tuji jezik) _____ (raven)		
_____ (izbirni predmeti) _____ (raven)		
_____ (izbirni predmeti) _____ (raven)		
_____ (šesti predmet- neobvezno)		

SPLOŠNI USPEH PRI MATURI: _____

Zaporedna številka spričevala .....

....., dne .....

M.P. RIC DIREKTOR RIC:

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Document 5.1 Grade Report from University of Maribor, School of Business and Economics

The document (see page 112) shows a grade report for a student at the *Univerza v Mariboru Ekonomsko-poslovna fakulteta Maribor.* Page (*Stran*) 1.
Attestion of test result performance (*Potrdilo o opravljenih preizo usih onanja*), Nov. 14, 1994

Registration number (*Vpisna številka*): 83012527 First and last name (*Priimek in ime*):
Date of Birth (*Datum rojstva*): March 26, 1949 Higher School program (*Viskokošolska izob.*):
Monetary matters and Finance (*Denarništvo in finance)*
Student status (*Način študija*): Part-time (*izredni)* Generation, i.e., Class (*generacija*): 92
Program - field (*Program - smer*): Business review and counselling (*Revidiranje in svetovanje posl*)
Permanent residence (*Stalno bivališče*): Ragovska 12 68000 Novo Mesto

Following the above information is the record of coursework:

Subject (*Predmet)* Year (*Letnik*) Grade (*Ocena*) Date (*Datum*)

The list of courses follows with an indication if a seminar paper (*seminarska naloga*) was required.
At the end the grade average (*Povprečna ocena*) is given.

The document is signed by a representative of the Ekonomsko-Poslovna Fakulteta and bears the seal of that School.

UNIVERZA V MARIBORU EKONOMSKO-POSLOVNA FAKULTETA MARIBOR STRAN: 1

POTRDILO O OPRAVLJENIH PREIZKUSIH ZNANJA 14.11.94

VPISNA ŠTEVILKA : 83012527 PRIIMEK IN IME : .
DATUM ROJSTVA : 26.03.69 VISOKOŠOLSKA IZOB.: DENARNIŠTVO IN FINANCE
NAČIN ŠTUDIJA : IZREDNI GENERACIJA : 92
PROGRAM - SMER : REVIDIRANJE IN SVETOVANJE POSL
STALNO BIVALIŠČE : RAGOVSKA 12 68000 NOVO MESTO

ŠT. P R E D M E T	LETNIK	OCENA	DATUM
1. RAČUNOVODSTVO	1	08	16.12.92
+SEMINARSKA NALOGA			
2. PODJETNIŠKO IN DAVČNO SVETOVANJE	2	08	17.01.93
+SEMINARSKA NALOGA			
3. GOSPODARSKO IN DAVČNO PRAVO	1	08	18.01.93
+SEMINARSKA NALOGA			
4. PODJETNIŠKE IN JAVNE FINANCE TER BANČ.	1	09	25.02.93
+SEMINARSKA NALOGA			
5. INFORMATIKA POSLOVNIH SUBJEKTOV	1	08	06.04.93
+SEMINARSKA NALOGA			
6. EKSTERNA REVIZIJA	2	09	28.04.93
+SEMINARSKA NALOGA			
7. CONTROLLING	2	08	26.05.93
+SEMINARSKA NALOGA			
8. INTERNA REVIZIJA	2	08	29.06.93
+SEMINARSKA NALOGA			
9. EKONOMIKA POSLOVNIH OSEBKOV	1	06	09.09.93

POVPREČNA OCENA : 8.00

UNIVERZA V MARIBORU 20 EKONOMSKO - POSLOVNA FAKULTETA

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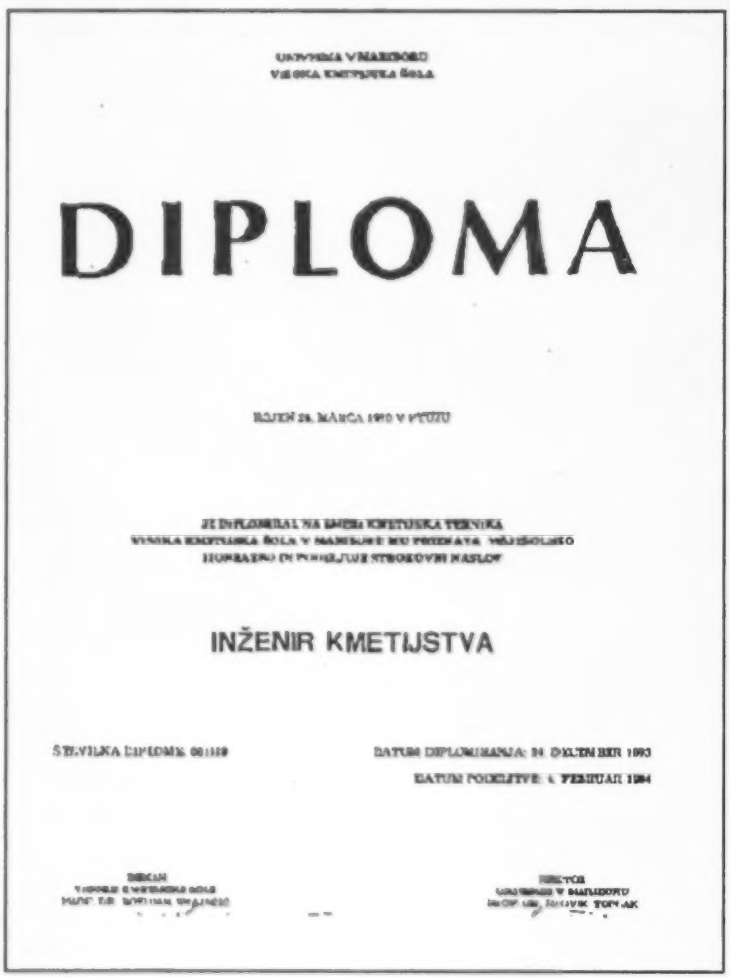
Document 5.2 *Inženir* (Engineer) diploma from 2- to 3-year professional tertiary program

The diploma is issued by the university in which studies were completed. The heading shows the university *Univerza v Mariboru* and that the studies were completed at the *visoka* level in the *Visoka kmetijska šola* (University College of Agriculture). Under the student's name are the date and place of birth: Born March 26, 1970 in Ptuj. The next section states that the student has successfully completed the study program/course in Agriculture Mechanization. The College of Agriculture in Maribor grants him/her a higher degree and awards him/her the professional title of. *Inženir kmetijstva* (Agricultural Engineer). Studies were completed December 24, 1993 (*Datum diplomiranja*), with degree conferral (*Datum podelitve)* on February 4, 1994. The diploma is signed by the Dean of the College of Agriculture and the Rector of the University.



UNIVERZA V MARIBORU
VISOKA KMETIJSKA ŠOLA

DIPLOMA

ROJEN 26. MARCA 1970 V PTUJU

JE DIPLOMIRAL NA SMERI KMETIJSKA TEHNIKA
VISOKA KMETIJSKA ŠOLA V MARIBORU MU PODELJA VIŠJEŠOLSKO
STROKOVNO IN PRIDOBLJUJE STROKOVNI NAZIV

INŽENIR KMETIJSTVA

ŠTEVILKA DIPLOME: 00109

DATUM DIPLOMIRANJA: 24. DVANAJSTI 1993

DATUM PODELITVE: 4. FEBRUAR 1994

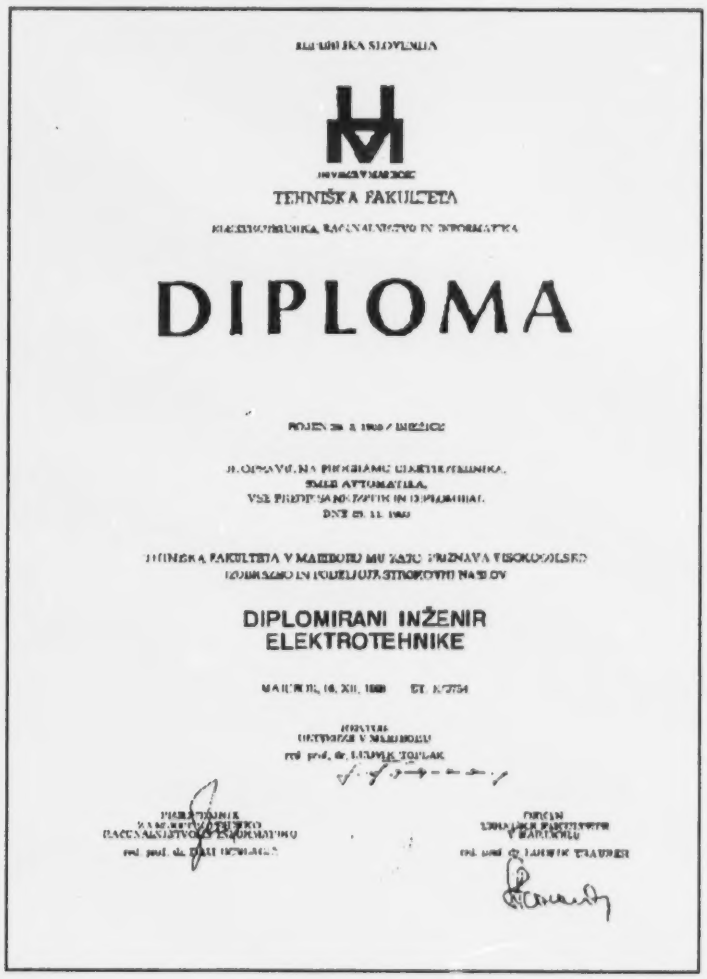
DEKAN

REKTOR

BEST COPY AVAILABLE

Document 5.3 *Diplomirani...* (Graduate...field) diploma

The credential is a *Diplomirani* in the field of electrical engineering. The document shows the University (*Univerza v Mariboru*) at the top, followed by the Faculty: *Tehniška Fakulteta* (Faculty of Technical Sciences) in which studies were completed in the Department *Elektrotehnika, računalištvo in informatika* (Electrical engineering, computer science and information technology). Under the student's name are the place and date of birth: *Rojen 29.3.1965/Brežice* (March 29, 1965, Brezice). The next lines state that he has completed the electrical engineering program in the automatics branch and passed the *diplomirani* examinations on Nov. 25, 1993. The next section states that Faculty of Technical Science of Maribor is authorized to give instruction in the field and award the title. The title is given next: *Diplomirani inženir elektrotehnike* (Graduate in electrical engineering). The document is signed by the university Rector, the chairman of the department, and the Dean of the Faculty.



REPUBLIKA SLOVENIJA

TEHNIŠKA FAKULTETA

DIPLOMA

DIPLOMIRANI INŽENIR
ELEKTROTEHNIKE

BEST COPY AVAILABLE

Document 5.4. Four-Year Program *Akademski Glasbenik-Komponist* (Academy Musician-Composer), Academy of Music, University of Ljubljana

The document shows a diploma from the Academy of Music, which is affiliated with the University of Ljubljana. The names of both institutions appear on the top. After the student's name is the birth date and place of birth. Next is stated that he/she successfully completed *visokošolski študij* (higher school studies) in the department of composition and music theory and that the Academy of Music awards him/her the professional title of *Akademski Glasbenik-Komponist* (Academy Musician-Composer). The diploma is signed by the Dean of the Academy of Music and the Academy Director for the Rector of the University of Ljubljana.

UNIVERZA V LJUBLJANI, AKADEMIJA ZA GLASBO

diploma

rojen(a) ... 21.12.1968...v kraju ...Ljubljana....

je končal(a) visokošolski študij

na Oddelku za kompozicijo in glasbeno teorijo z odličnim uspehom

Akademija za glasbo mu(ji) priznava visokošolsko izobrazbo

ter podeljuje strokovni naslov

AKADEMSKI GLASBENIK - KOMPONIST

št. 1258 LJUBLJANA, 1. III. 1994

DEKAN
AKADEMIJE ZA GLASBO

(S E A L)

REKTOR
UNIVERZE V LJUBLJANI

Dejan BRAVINČAR, red. prof.

Akad.dr.Miha TIŠLER, red. prof.

.....

.....

Document 5.5 *Specialist* (Specialist) diploma

The document is a diploma of a *Specialista tehniških znanosti* (Specialist in engineering science) awarded by the *Univerze v Mariboru, Tehniška Fakulteta* (University of Maribor, Faculty of Technical Sciences). The date and place of birth are indicated: *Rojen 1.3.1957 v Ptuju* (Born March 1, 1957 at Ptuj). The next sentences indicate that the student completed postdiploma specialization studies (*podimploski specialistični študij*) satisfactorily and then give the thesis title. The next sentences indicate that the Faculty has approved the studies and awarded the title of *Specialist Strojništva* (Specialist in Mechanical Engineering). The date of the degree is indicated on the left: 5.10.1993 (October 5, 1993). The diploma is signed by the Rector, the head of the department of mechanical engineering, and the Dean of the Faculty of Technical Science.

UNIVERZA V MARIBORU
TEHNIŠKA FAKULTETA

DIPLOMA

– . dipl.inž.str.

Rojen 1. 3. 1957 v Ptuju

JE KONČAL PODIPLOMSKI SPECIALISTIČNI ŠTUDIJ
IN USPEŠNO ZAGOVARJAL SPECIALISTIČNO DELO

ZANESLJIVOST PROIZVODNIH PROCESOV

TEHNIŠKA FAKULTETA MU ZATO PRIZNAVA
STROKOVNI NAZIV

SPECIALIST STROJNIŠTVA

ŠTEV.: 8 - 244
MARIBOR, 6. 10. 1993

REKTOR
UNIVERZE V MARIBORU
red.prof.dr. LUDVIK TOPLAK

PREDSTOJNIK
STROJNIŠTVA
red.prof.dr. BOŠTJAN RAK

DEKAN
TEHNIŠKE FAKULTETE
V MARIBORU
red.prof.dr. LUDVIK TRAUNER

Document 5.6 *Magister/Magistra* (Master) diploma

The document shows a *Magistra tehniških znanosti (*Master of Technical Science). The word *Magistra* indicates the recipient was a woman. The document shows the University and the Faculty in which the studies were completed: *Univerza v Mariboru, Tehniška Fakulteta* (University of Maribor, Faculty of Technical Sciences). After the place for the name, it shows the prior credential the student had obtained: *dipl. inž.str./diplomirani inženir strojništva* (Graduate in mechanical engineering). The next sentences indicate that the student has completed the postdiploma studies (*podiplomski magistrski študij)* with successful completion of *Magisterij* work. The title of the thesis is given next. The following lines state that the Faculty acknowledges the academic work. The title conferred is *Magistra tehniških znanosti s področja strojništva* (Master of Engineering Science in the area of Mechanical Engineering). The credential is signed by the university Rector, the head of the mechanical engineering department, and the Dean of the Faculty of Technical Sciences.

UNIVERZA V MARIBORU
TEHNIŠKA FAKULTETA

DIPLOMA

dipl.inž.str.

Rojen 1. 3 1953 v Malem izvoru
JE KONČAL PODIPLOMSKI MAGISTRSKI ŠTUDIJ
SMER PROIZVODNO STROJNIŠTVO Z USPEŠNIM ZAGOVOROM
MAGISTRSKEGA DELA

RAZVOJ OBDELOVALNIH ENOTK
ZA PRILAGODLJIVE OBDELOVALNE SISTEME

TEHNIŠKA FAKULTETA MU ZATO PRIZNAVA
AKADEMSKO STOPNJO

MAGISTRA TEHNIŠKIH ZNANOSTI
S PODROČJA STROJNIŠTVA

ŠTEV.. S - 148
MARIBOR, 24.4.1991

REKTOR
UNIVERZE V MARIBORU
red.prof.dr. ALOIZ KRIŽMAN

PREDSTOJNIK
STROJNIŠTVA

lizr.prof.dr. ANDREJ POLAJNAR

DEKAN
TEHNIŠKE FAKULTETE
V MARIBORU

red.prof.dr. VALTER DOLEČEK

Document 5.7 *Doktor znanosti* (Doctor of science) diploma

The document (see page120) shows a *Diploma o Doktoratu znanosti* (Diploma of Doctor of Science). The text is given in Latin and Slovenian (only the Slovenian is reproduced). The degree was awarded by the *Univerza v Mariboru, Tehniška Fakulteta* (University of Maribor, Faculty of Technical Sciences). After the name of the student, the prior degree obtained is given: *dipl. inž.el./diplomirani inženir elektronike* (Graduate in electrical engineering). The date and place of birth are given next, written out in Slovenian: *Rojen osmega julija tisočdevetstošestintridesetega leta v Ormožu* (Born July 8, 1936 at Ormozu). The student received the *Diplomirani* from the Faculty of Electrical Engineering of the University of Ljubljana May 11, 1962 and the *Magistra tehniških znanosti* from the same faculty on Oct. 29. 1976. She satisfactorily completed doctoral studies April 13, 1992. Next follows the dissertation title. The sentences below the title list the faculty advisers and reading committee with their degrees. Following that are the sentences which indicate that the conditions of doctoral study have been satisfactorily completed. The title awarded is *Doktor tehniških znanosti* (Doctor of Technical Science). The date of conferral is given in the right hand corner, 17.9.1992 (September 17, 1992). The document is signed by the Dean of the Faculty of Technical Sciences and the Rector of the University.

UNIVERZA V MARIBORU
TEHNIŠKA FAKULTETA

DIPLOMA
O DOKTORATU ZNANOSTI

dipl.inž.el.

Rojen osmega julija tisočdevetstošestintridesetega leta v Ormožu

POTEM KO JE 11. 5. 1962 DIPLOMIRAL NA FAKULTETI ZA ELEKTROTEHNIKO V LJUBLJANI IN 29. 10. 1976 PRIDOBIL AKADEMSKO STOPNJO MAGISTRA TEHNIŠKIH ZNANOSTI NA FAKULTETI ZA ELEKTROTEHNIKO V LJUBLJANI, JF, USPEŠNO ZAGOVARJAL 13. 4. 1992 DOKTORSKO DISERTACIJO Z NASLOVOM

PROBLEMATIKA GOLIH VODNIKOV IN ZAŠČITNIH VRVI PRI DALJNOVODIH

PRED KOMISIJO, KI SO JO SESTAVLJALI IZR.PROF.DR. JOŽE VORŠIČ DIPL.INŽ.EL., KOT PREDSEDNIK, RED.PROF.DR. MARJAN PLAPER, DIPL.INŽ.EL., KOT MENTOR, RED.PROF.DR. ANTON OGORELEC, DIPL.INŽ.EL., KOT KOMENTOR, RED.PROF.DR. DALI DONLAGIČ, DIPL.INŽ.EL. IN RED.PROF.DR. IVAN NOVAK. DIPL.INŽ.EL., KOT ČLANA

S TEM JE IZPOLNIL POGOJE ZA PRIDOBITEV AKADEMSKE STOPNJE DOKTORJA TEHNIŠKIH ZNANOSTI IN MU UNIVERZA V MARIBORU PODELJUJE ZNANSTVENI NAZIV

DOKTOR TEHNIŠKIH ZNANOSTI
S PODROČJA ELEKTROTEHNIKE

ŠTEV.: 109

V MARIBORU, 17.9.1992

DEKAN
TEHNIŠKE FAKULTETE

red.prof.dr. VALTER DOLEČEK
(signature)

REKTOR
UNIVERZE V MARIBORU

red.prof.dr. ALOJZ KRIŽMAN
(signature)

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Document 6.1 *Profesor* (Teacher-secondary school) diploma

The sample credential is a Diploma from the *Pedagoška Fakulteta, Univerza v Mariboru* (Pedagogical Faculty, University of Maribor). After the student's name, entered above *Ime in Priimek*, is the date and place of birth (*roj. ..... v kraju .....*). Following this is the statement that the student has successfully completed *visokošolski študij* (higher school studies) in mathematics and physics in the Pedagogical Faculty of Maribor and that the student is qualified as a *Profesor-ica* (Professor-he/she, secondary school teacher) in *Matematike in Fizike* (Mathematics and Physics). The document will be dated and signed by the Dean of the Faculty and the Rector of the University.

UNIVERZA V MARIBORU
PEDAGOŠKA FAKULTETA

DIPLOMA

IME IN PRIIMEK
roj. ..... v kraju .....

je končal-a visokošolski študij matematike in fizike na Pedagoški fakulteti v Mariboru, ki mu - ji priznava visokošolsko izobrazbo in podeljuje strokovni naziv

PROFESOR - ica
MATEMATIKE IN FIZIKE

Številka: Datum:

Dekan Rektor

Document 7.1 Potrdilo o opravljenem strokovnem izpitu (Attestation of satisfactory passing of professional examination)

The document is an example of an attestation of success on the professional examination, which is required in all vocations and professions in Slovenian. These certificates are issued by the Secretary of the Examination Committee. This example was issued while Slovenia was still a republic of Yugoslavia, but a similar document is issued today. The certificate gives the individual's name (*ime in priimek*), date and place of birth (*rojen -a....v*), November 29, 1957 at Maribor, the community and state (*občina, SR*, current documents would use *Država* (country) rather than *SR* (state republic). Following this are the school, the program *DMV-Slovenski Jezik* (DMV-Slovenian language)*, and the date: *21 maja 1982* (May 21, 1982). The next sentence indicates *opravil(a) strokovni izpit* (passed the professional examination) that the holder is qualified to teach classes in the subject (*učiteljev predmetnega pouka*). The document is dated and signed by the Secretary of the examination committee (*Tajnik izpitne komisije*) and the President of the examination committee (*Predsednik izpitne komisije*). *DMV is *Druzbeno moralna vzgoja* (social moral education, i.e., ethics).

Socialistična republika Slovenija

REPUBLIŠKI KOMITE ZA VZGOJO IN IZOBRAŽEVANJE TER TELESNO KULTURO

Komisija za strokovne izpite

Na podlagi 23. člena pravilnika o pripravništvu in strokovnih izpitih delavcev na področju vzgoje in izobraževanja (Uradni list SRS, št. 20/80) izdaja komisija za strokovne izpite

POTRDILO

o opravljenem strokovnem izpitu

.....

(ime in priimek)

rojen-a dne.....29.11.....19...57....v (na) .....M A R I B O R U.....

občina.....M A R I BO R....., SR.....S L O V E N I J A .....

diplomiral(a) dne.....10.10.....19..80.....na....P A MARIBOR.....

.....DMV - SLOVENSKI JEZIK.....

(šola, vzgojnoizobraževalni program oz. smer)

.....

je dne .....21. maja.....19 ...82.....

opravil(a) strokovni izpit

pred izpitno komisijo za strokovne izpite..... učiteljev predmetnega pouka.....

Zap. št. evidenčne knjige 169/82

V.....Mariboru....., dne .....21. maja.....19....82.....

Tajnik izpitne komisije: (SEAL) Predsednik izpitne komisije:

....

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